

# COLLEGE OF ARTS AND SCIENCES

The College of Arts and Sciences (CAS) is the oldest, largest and most academically diverse of Loyola University Chicago's schools, colleges, and institutes. More than 150 years since its founding, the College's academic departments and interdisciplinary programs and centers span an array of intellectual pursuits, ranging from the natural and computational sciences to the humanities, the social sciences, and the fine and performing arts.

Our students and faculty are engaged internationally at our campus in Rome, Italy, as well as at dozens of University-sponsored study abroad and research sites around the world. Home to the departments that anchor the University's Core Curriculum, the College seeks to prepare all of Loyola's students to think critically, to engage the world of the 21st century at ever deepening levels, and to become caring and compassionate individuals. Our faculty, staff, and students view service to others not just as one option among many, but as a constitutive dimension of their very being. In the truest sense of the Jesuit ideal, our graduates strive to be "individuals for others."

For further information about the College of Arts and Sciences, please visit our website. (<https://luc.us3.list-manage.com/track/click/?u=46dffeabe974efdc2b6fce2ac&id=a7649009c5&e=1cdbc2a3df>)

## Undergraduate Programs

- African Studies and the African Diaspora (<https://catalog.luc.edu/undergraduate/arts-sciences/african-studies-african-diaspora/>)
  - African Studies and the African Diaspora (BA) (<https://catalog.luc.edu/undergraduate/arts-sciences/african-studies-african-diaspora/african-studies-african-diaspora-ba/>)
  - African Studies and the African Diaspora Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/african-studies-african-diaspora/african-studies-african-diaspora-minor/>)
- Anthropology (<https://catalog.luc.edu/undergraduate/arts-sciences/anthropology/>)
  - Anthropology (BA) (<https://catalog.luc.edu/undergraduate/arts-sciences/anthropology/anthropology-ba/>)
  - Anthropology (BS) (<https://catalog.luc.edu/undergraduate/arts-sciences/anthropology/anthropology-bs/>)
  - Anthropology Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/anthropology/anthropology-minor/>)
  - Honors in Anthropology (<https://catalog.luc.edu/undergraduate/arts-sciences/anthropology/honors-anthropology/>)
  - Sociology-Anthropology (BA) (<https://catalog.luc.edu/undergraduate/arts-sciences/sociology/sociology-anthropology-ba/>)
- Asian Studies (<https://catalog.luc.edu/undergraduate/arts-sciences/asian-studies/>)
  - Asian Studies Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/asian-studies/asian-studies-minor/>)
- Bioethics (<https://catalog.luc.edu/undergraduate/arts-sciences/bioethics/>)
  - Bioethics Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/bioethics/bioethics-minor/>)
- Bioinformatics (<https://catalog.luc.edu/undergraduate/arts-sciences/bioinformatics/>)
  - Bioinformatics (BS) (<https://catalog.luc.edu/undergraduate/arts-sciences/bioinformatics/bioinformatics-bs/>)
  - Bioinformatics (BS/MS) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/bioinformatics-bsms/>)
  - Bioinformatics Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/bioinformatics/bioinformatics-minor/>)
  - Biology/Bioinformatics (BS/MS) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/biology-bioinformatics-bs-ms/>)
  - Honors in Bioinformatics (<https://catalog.luc.edu/undergraduate/arts-sciences/bioinformatics/honors-bioinformatics/>)
- Biology (<https://catalog.luc.edu/undergraduate/arts-sciences/biology/>)
  - Biology (BS) (<https://catalog.luc.edu/undergraduate/arts-sciences/biology/biology-bs/>)
  - Biology/Bioinformatics (BS/MS) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/biology-bioinformatics-bs-ms/>)
  - Biology/Business (BS/MBA) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/biology-business-bs-mba/>)
  - Biology Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/biology/biology-minor/>)
  - Biology/Secondary Education (BS/MEd) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/biology-secondary-education-bs-med/>)
  - Biology with Ecology Emphasis (BS) (<https://catalog.luc.edu/undergraduate/arts-sciences/biology/biology-ecology-emphasis-bs/>)
  - Biology with Molecular Biology Emphasis (BS) (<https://catalog.luc.edu/undergraduate/arts-sciences/biology/biology-molecular-biology-emphasis-bs/>)
  - Biostatistics Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/mathematics-statistics/biostatistics-minor/>)
- Catholic Studies (<https://catalog.luc.edu/undergraduate/arts-sciences/catholic-studies/>)
  - Catholic Studies Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/catholic-studies/catholic-studies-minor/>)
- Chemistry and Biochemistry (<https://catalog.luc.edu/undergraduate/arts-sciences/chemistry-biochemistry/>)
  - Biochemistry (BA) (<https://catalog.luc.edu/undergraduate/arts-sciences/chemistry-biochemistry/biochemistry-ba/>)
  - Biochemistry (BS) (<https://catalog.luc.edu/undergraduate/arts-sciences/chemistry-biochemistry/biochemistry-bs/>)
  - Biochemistry (BS/MS) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/biochemistry-bsms/>)
  - Chemistry (BA) (<https://catalog.luc.edu/undergraduate/arts-sciences/chemistry-biochemistry/chemistry-ba/>)
  - Chemistry (BS) (<https://catalog.luc.edu/undergraduate/arts-sciences/chemistry-biochemistry/chemistry-bs/>)
  - Chemistry (BS/MS) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/chemistry-bsms/>)
  - Chemistry Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/chemistry-biochemistry/chemistry-minor/>)
- Classical Studies (<https://catalog.luc.edu/undergraduate/arts-sciences/classical-studies/>)
  - Ancient Greek (BA) (<https://catalog.luc.edu/undergraduate/arts-sciences/classical-studies/ancient-greek-ba/>)

- Ancient Greek Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/classical-studies/ancient-greek-minor/>)
- Classical Civilization (BA) (<https://catalog.luc.edu/undergraduate/arts-sciences/classical-studies/classical-civilization-ba/>)
- Classical Civilization Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/classical-studies/classical-civilization-minor/>)
- Classics Degree-Distinction (-BAC/-BSC) (<https://catalog.luc.edu/undergraduate/arts-sciences/classical-studies/classics-degree-distinction-bac-bsc/>)
- Latin (BA) (<https://catalog.luc.edu/undergraduate/arts-sciences/classical-studies/latin-ba/>)
- Latin Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/classical-studies/latin-minor/>)
- Computer Science (<https://catalog.luc.edu/undergraduate/arts-sciences/computer-science/>)
  - Artificial Intelligence Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/computer-science/artificial-intelligence-minor/>)
  - Computer Crime and Forensics Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/computer-science/computer-crime-forensics-minor/>)
  - Computer Science (BS) (<https://catalog.luc.edu/undergraduate/arts-sciences/computer-science/computer-science-bs/>)
  - Computer Science (BS/MS) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/computer-science-bs-ms-dual-degree-programs/>)
  - Computer Science Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/computer-science/computer-science-minor/>)
  - Cybersecurity (BS) (<https://catalog.luc.edu/undergraduate/arts-sciences/computer-science/cybersecurity-bs/>)
  - Departmental Honors (<https://catalog.luc.edu/undergraduate/arts-sciences/computer-science/departamental-honors/>)
  - Information Technology/Computer Science (BA/MS) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/information-technology-computer-science-ba-ms/>)
  - Information Technology (BS) (<https://catalog.luc.edu/undergraduate/arts-sciences/computer-science/information-technology-bs/>)
  - Information Technology (BA/MS) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/information-technology-bams/>)
  - Information Technology (BS/MS) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/information-technology-bsms/>)
  - Information Technology Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/computer-science/information-technology-minor/>)
  - Physics with Computer Science (BS) (<https://catalog.luc.edu/undergraduate/arts-sciences/physics/physics-computer-science-bs/>)
  - Software Engineering (BS) (<https://catalog.luc.edu/undergraduate/arts-sciences/computer-science/software-engineering-bs/>)
  - Software Engineering (BS/MS) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/software-engineering-bsms/>)
- Criminal Justice and Criminology (<https://catalog.luc.edu/undergraduate/arts-sciences/criminal-justice-criminology/>)
  - Computer Crime and Forensics Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/computer-science/computer-crime-forensics-minor/>)
  - Criminal Justice and Criminology (BS) (<https://catalog.luc.edu/undergraduate/arts-sciences/criminal-justice-criminology/criminal-justice-criminology-bs/>)
  - Criminal Justice and Criminology (BS/MA) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/criminal-justice-criminology-bs-ma/>)
  - Criminal Justice and Criminology/International Affairs (BS/MA) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/criminal-justice-criminology-international-affairs-bama/>)
  - Criminal Justice and Criminology Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/criminal-justice-criminology/criminal-justice-criminology-minor/>)
- Data Science (<https://catalog.luc.edu/undergraduate/arts-sciences/data-science/>)
  - Data Science (BS) (<https://catalog.luc.edu/undergraduate/arts-sciences/data-science/data-science-bs/>)
  - Data Science (BS/MS) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/data-science-bsms/>)
  - Data Science/Applied Statistics (BS/MS) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/data-science-applied-statistics-bs-ms/>)
  - Data Science/Mathematics (BS/MS) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/data-science-mathematics-bs-ms/>)
  - Data Science Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/data-science/data-science-minor/>)
- Economics (<https://catalog.luc.edu/undergraduate/arts-sciences/economics/>)
  - Economics (BA) (<https://catalog.luc.edu/undergraduate/arts-sciences/economics/economics-ba/>)
- Engineering (<https://catalog.luc.edu/undergraduate/arts-sciences/engineering/>)
  - Engineering with a Biomedical Engineering Specialization (BS) (<https://catalog.luc.edu/undergraduate/arts-sciences/engineering/biomedical-engineering-bs/>)
  - Engineering with a Computer Engineering Specialization (BS) (<https://catalog.luc.edu/undergraduate/arts-sciences/engineering/computer-engineering-bs/>)
  - Engineering with an Environmental Engineering Specialization (BS) (<https://catalog.luc.edu/undergraduate/arts-sciences/engineering/environmental-engineering-bs/>)
- English (<https://catalog.luc.edu/undergraduate/arts-sciences/english/>)
  - English (BA) (<https://catalog.luc.edu/undergraduate/arts-sciences/english/english-ba/>)
  - English (BA/BSED) (<https://catalog.luc.edu/undergraduate/arts-sciences/english/english-babsed/>)
  - English (BA/MA) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/english-ba-ma/>)
  - English Honors (<https://catalog.luc.edu/undergraduate/arts-sciences/english/english-honors/>)

- English Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/english/english-minor/>)
- English with a Creative Writing Concentration (BA) (<https://catalog.luc.edu/undergraduate/arts-sciences/english/creative-writing-concentration/>)
- Shakespeare Studies Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/fine-performing-arts/shakespeare-studies-minor/>)
- European Studies (<https://catalog.luc.edu/undergraduate/arts-sciences/european-studies/>)
  - European Studies Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/european-studies/european-studies-minor/>)
- Fine and Performing Arts (<https://catalog.luc.edu/undergraduate/arts-sciences/fine-performing-arts/>)
  - Art History (BA) (<https://catalog.luc.edu/undergraduate/arts-sciences/fine-performing-arts/art-history-ba/>)
  - Art History Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/fine-performing-arts/art-history-minor/>)
  - Dance (BA) (<https://catalog.luc.edu/undergraduate/arts-sciences/fine-performing-arts/dance-ba/>)
  - Dance Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/fine-performing-arts/dance-minor/>)
  - Drawing, Painting and Printmaking (BA) (<https://catalog.luc.edu/undergraduate/arts-sciences/fine-performing-arts/drawing-painting-printmaking-ba/>)
  - Drawing, Painting and Printmaking Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/fine-performing-arts/drawing-painting-printmaking-minor/>)
  - Music (BA) (<https://catalog.luc.edu/undergraduate/arts-sciences/fine-performing-arts/music-ba/>)
  - Music Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/fine-performing-arts/music-minor/>)
  - Music with a Concentration in Jazz Studies (BA) (<https://catalog.luc.edu/undergraduate/arts-sciences/fine-performing-arts/jazz-studies-concentration/>)
  - Music with a Concentration in Liturgical Music (BA) (<https://catalog.luc.edu/undergraduate/arts-sciences/fine-performing-arts/music-concentration-liturgical-music-ba/>)
  - Music with a Concentration in Vocal Performance (BA) (<https://catalog.luc.edu/undergraduate/arts-sciences/fine-performing-arts/vocal-performance-concentration/>)
  - Musical Theatre Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/fine-performing-arts/musical-theatre-minor/>)
  - Photography and Video Art (BA) (<https://catalog.luc.edu/undergraduate/arts-sciences/fine-performing-arts/photography-video-art-ba/>)
  - Photography and Video Art Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/fine-performing-arts/photography-video-art-minor/>)
  - Sculpture and Ceramics (BA) (<https://catalog.luc.edu/undergraduate/arts-sciences/fine-performing-arts/sculpture-ceramics-ba/>)
  - Sculpture and Ceramics Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/fine-performing-arts/sculpture-ceramics-minor/>)
  - Shakespeare Studies Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/fine-performing-arts/shakespeare-studies-minor/>)
  - Studio Art Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/fine-performing-arts/studio-art-minor/>)
  - Teaching Artist Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/fine-performing-arts/teaching-artist-minor/>)
  - Theatre (BA) (<https://catalog.luc.edu/undergraduate/arts-sciences/fine-performing-arts/theatre-ba/>)
  - Theatre Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/fine-performing-arts/theatre-minor/>)
  - Visual Communication (BA) (<https://catalog.luc.edu/undergraduate/arts-sciences/fine-performing-arts/visual-communication-ba/>)
  - Visual Communication Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/fine-performing-arts/visual-communication-minor/>)
  - Forensic Science (<https://catalog.luc.edu/undergraduate/arts-sciences/forensic-science/>)
    - Forensic Science (BS) (<https://catalog.luc.edu/undergraduate/arts-sciences/forensic-science/forensic-science-bs/>)
  - Global Studies (<https://catalog.luc.edu/undergraduate/arts-sciences/global-studies/>)
    - Global Studies (BA) (<https://catalog.luc.edu/undergraduate/arts-sciences/global-studies/global-studies-ba/>)
    - Global Studies/International Affairs (BA/MA) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/global-studies-international-affairs-bama/>)
    - Global Studies Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/global-studies/global-studies-minor/>)
  - History (<https://catalog.luc.edu/undergraduate/arts-sciences/history/>)
    - History (BA) (<https://catalog.luc.edu/undergraduate/arts-sciences/history/history-ba/>)
    - History (BA/MA) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/history-five-year-ba-ma-program/>)
    - History/International Affairs (BA/MA) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/history-international-affairs-bama/>)
    - History Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/history/history-minor/>)
    - Honors in History (<https://catalog.luc.edu/undergraduate/arts-sciences/history/honors-history/>)
  - Human Services (<https://catalog.luc.edu/undergraduate/arts-sciences/human-services/>)
    - Human Services (BS) (<https://catalog.luc.edu/undergraduate/arts-sciences/human-services/human-services-bs/>)
  - Interdisciplinary Honors Program (<https://catalog.luc.edu/undergraduate/arts-sciences/interdisciplinary-honors-program/>)
  - Interreligious and Interfaith (<https://catalog.luc.edu/undergraduate/arts-sciences/interreligious-interfaith-studies/>)
    - Interreligious and Interfaith Studies Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/interreligious-interfaith-studies/interreligious-interfaith-studies-minor/>)
  - Latin American and Latino Studies (<https://catalog.luc.edu/undergraduate/arts-sciences/latin-american-latino-studies/>)
    - Latin American and Latino Studies Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/latin-american-latino-studies/latin-american-latino-studies-minor/>)

- Mathematics and Statistics (<https://catalog.luc.edu/undergraduate/arts-sciences/mathematics-statistics/>)
  - Actuarial Science Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/mathematics-statistics/actuarial-science-minor/>)
  - Applied Mathematics (BS) (<https://catalog.luc.edu/undergraduate/arts-sciences/mathematics-statistics/applied-mathematics-bs/>)
  - Biostatistics Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/mathematics-statistics/biostatistics-minor/>)
  - Data Science/Applied Statistics (BS/MS) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/data-science-applied-statistics-bs-ms/>)
  - Data Science/Mathematics (BS/MS) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/data-science-mathematics-bs-ms/>)
  - Mathematics (BS) (<https://catalog.luc.edu/undergraduate/arts-sciences/mathematics-statistics/mathematics-bs/>)
  - Mathematics (BS/MS) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/mathematics-bs-ms/>)
  - Mathematics/Applied Statistics (BS/MS) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/mathematics-applied-statistics-bs-ms/>)
  - Mathematics - Education Track (BS) (<https://catalog.luc.edu/undergraduate/arts-sciences/mathematics-statistics/mathematics-education-track-bs/>)
  - Mathematics - Education Track/Applied Statistics (BS/MS) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/mathematics-education-track-bs-applied-statistics-ms/>)
  - Mathematics - Education Track/Mathematics (BS/MS) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/mathematics-education-track-bs-mathematics-ms/>)
  - Mathematics and Computer Science (BS) (<https://catalog.luc.edu/undergraduate/arts-sciences/mathematics-statistics/mathematics-computer-science-bs/>)
  - Mathematics and Computer Science/Applied Statistics (BS/MS) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/mathematics-computer-science-bs-applied-statistics-ms/>)
  - Mathematics and Computer Science/Mathematics (BS/MS) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/mathematics-computer-science-mathematics-bs-ms/>)
  - Mathematics Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/mathematics-statistics/mathematics-minor/>)
  - Statistics (BS) (<https://catalog.luc.edu/undergraduate/arts-sciences/mathematics-statistics/statistics-bs/>)
  - Statistics/Applied Statistics (BS/MS) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/statistics-applied-statistics-bs-ms/>)
  - Statistics/Mathematics (BS/MS) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/statistics-bs-mathematics-ms/>)
  - Statistics Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/mathematics-statistics/statistics-minor/>)
  - Theoretical Physics and Applied Mathematics (BS) (<https://catalog.luc.edu/undergraduate/arts-sciences/physics/theoretical-physics-applied-mathematics-bs/>)
- Theoretical Physics and Applied Mathematics/Applied Statistics (BS/MS) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/theoretical-physics-applied-mathematics-bs-applied-statistics-ms/>)
- Theoretical Physics and Applied Mathematics/Mathematics (BS/MS) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/theoretical-physics-applied-mathematics-bs-mathematics-ms/>)
- Medieval Studies (<https://catalog.luc.edu/undergraduate/arts-sciences/medieval-studies/>)
  - Medieval Studies Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/medieval-studies/medieval-studies-minor/>)
- Middle East and Islamic World Studies (<https://catalog.luc.edu/undergraduate/arts-sciences/middle-east-islamic-studies/>)
  - Middle East and Islamic World Studies Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/middle-east-islamic-studies/middle-east-islamic-studies-minor/>)
- Military Science (<https://catalog.luc.edu/undergraduate/arts-sciences/military-science/>)
- Modern Languages and Literatures (<https://catalog.luc.edu/undergraduate/arts-sciences/modern-languages-literatures/>)
  - Arabic Language and Culture Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/modern-languages-literatures/arabic-language-culture-minor/>)
  - Asian Language and Literatures Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/modern-languages-literatures/asian-language-literatures-minor/>)
  - Chinese Language and Culture Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/modern-languages-literatures/chinese-language-culture-minor/>)
  - French (BA) (<https://catalog.luc.edu/undergraduate/arts-sciences/modern-languages-literatures/french-ba/>)
  - French Language and Literature Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/modern-languages-literatures/french-language-literature-minor/>)
  - French Language Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/modern-languages-literatures/french-language-minor/>)
  - German Studies Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/modern-languages-literatures/german-studies-minor/>)
  - Hispanic Studies (BA/MA) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/hispanic-studies-ba-ma/>)
  - Italian (BA) (<https://catalog.luc.edu/undergraduate/arts-sciences/modern-languages-literatures/italian-ba/>)
  - Italian American Studies Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/modern-languages-literatures/italian-american-studies-minor/>)
  - Italian Language and Literature Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/modern-languages-literatures/italian-language-literature-minor/>)
  - Italian Language Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/modern-languages-literatures/italian-language-minor/>)
  - Italian Studies (BA) (<https://catalog.luc.edu/undergraduate/arts-sciences/modern-languages-literatures/italian-studies-ba/>)



- Japanese Language and Culture Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/modern-languages-literatures/japanese-language-culture-minor/>)
- Literature in Translation Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/modern-languages-literatures/literature-translation-minor/>)
- Spanish (BA) (<https://catalog.luc.edu/undergraduate/arts-sciences/modern-languages-literatures/spanish-ba/>)
- Spanish Language and Literature Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/modern-languages-literatures/spanish-language-literature-minor/>)
- Spanish Language Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/modern-languages-literatures/spanish-language-minor/>)
- Neuroscience (<https://catalog.luc.edu/undergraduate/arts-sciences/neuroscience/>)
  - Cognitive and Behavioral Neuroscience (BS) (<https://catalog.luc.edu/undergraduate/arts-sciences/neuroscience/cognitive-behavioral-neuroscience-bs/>)
  - Molecular and Cellular Neuroscience (BS) (<https://catalog.luc.edu/undergraduate/arts-sciences/neuroscience/molecular-cellular-neuroscience-bs/>)
  - Neuroscience Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/neuroscience/neuroscience-minor/>)
- Peace, Justice and Conflict Studies (<https://catalog.luc.edu/undergraduate/arts-sciences/peace-justice-conflict-studies/>)
  - Peace, Justice and Conflict Studies Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/peace-justice-conflict-studies/peace-justice-conflict-studies-minor/>)
- Philosophy (<https://catalog.luc.edu/undergraduate/arts-sciences/philosophy/>)
  - Ethics and Moral Philosophy Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/philosophy/ethics-moral-philosophy-minor/>)
  - Honors in Philosophy (<https://catalog.luc.edu/undergraduate/arts-sciences/philosophy/honors-philosophy/>)
  - Philosophy (BA) (<https://catalog.luc.edu/undergraduate/arts-sciences/philosophy/philosophy-ba/>)
  - Philosophy (BA/MA) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/philosophy-five-year-ba-ma-philosophy/>)
  - Philosophy/International Affairs (BA/MA) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/philosophy-international-affairs-bama/>)
  - Philosophy Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/philosophy/philosophy-minor/>)
- Physics (<https://catalog.luc.edu/undergraduate/arts-sciences/physics/>)
  - Biophysics (BS) (<https://catalog.luc.edu/undergraduate/arts-sciences/physics/biophysics-bs/>)
  - Physics (BS) (<https://catalog.luc.edu/undergraduate/arts-sciences/physics/physics-bs/>)
  - Physics (BS) + Engineering (BS) (<https://catalog.luc.edu/undergraduate/arts-sciences/physics/physics-bs-engineering-bs/>)
  - Physics Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/physics/physics-minor/>)
- Physics/Secondary Education (BS/MEd) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/physics-secondary-education-bs-med/>)
- Physics with Computer Science (BS) (<https://catalog.luc.edu/undergraduate/arts-sciences/physics/physics-computer-science-bs/>)
- Theoretical Physics and Applied Mathematics (BS) (<https://catalog.luc.edu/undergraduate/arts-sciences/physics/theoretical-physics-applied-mathematics-bs/>)
- Theoretical Physics and Applied Mathematics/Applied Statistics (BS/MS) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/theoretical-physics-applied-mathematics-bs-applied-statistics-ms/>)
- Theoretical Physics and Applied Mathematics/Mathematics (BS/MS) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/theoretical-physics-applied-mathematics-bs-mathematics-ms/>)
- Polish Studies (<https://catalog.luc.edu/undergraduate/arts-sciences/polish-studies/>)
  - Polish Studies Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/polish-studies/polish-studies-minor/>)
- Political Science (<https://catalog.luc.edu/undergraduate/arts-sciences/political-science/>)
  - Honors in Political Science (<https://catalog.luc.edu/undergraduate/arts-sciences/political-science/honors-political-science/>)
  - Law and Politics Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/political-science/law-politics-minor/>)
  - Political Science (BA) (<https://catalog.luc.edu/undergraduate/arts-sciences/political-science/political-science-ba/>)
  - Political Science (BA/MA) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/political-science-ba-ma/>)
  - Political Science Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/political-science/political-science-minor/>)
  - International Affairs Accelerated Bachelor's Master's Programs (<https://catalog.luc.edu/undergraduate/arts-sciences/political-science/international-affairs-abm/>)
- Psychology (<https://catalog.luc.edu/undergraduate/arts-sciences/psychology/>)
  - Honors in Psychology (<https://catalog.luc.edu/undergraduate/arts-sciences/psychology/honors-psychology/>)
  - Psychology (BS) (<https://catalog.luc.edu/undergraduate/arts-sciences/psychology/psychology-bs/>)
  - Psychology/Applied Social Psychology (BS/MA) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/psychology-applied-social-psychology-bsma/>)
  - Psychology/International Affairs (BS/MA) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/psychology-international-affairs-bama/>)
  - Psychology Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/psychology/psychology-minor/>)
- Psychology of Crime and Justice (<https://catalog.luc.edu/undergraduate/arts-sciences/psychology-crime-justice/>)
  - Psychology of Crime and Justice Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/psychology-crime-justice/psychology-crime-justice-minor/>)

- Race & Ethnicity (<https://catalog.luc.edu/undergraduate/arts-sciences/race-ethnicity/>)
  - Race & Ethnicity Interdisciplinary Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/race-ethnicity/race-ethnicity-minor/>)
- Sociolegal Studies (<https://catalog.luc.edu/undergraduate/arts-sciences/sociolegal-studies/>)
  - Sociolegal Studies Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/sociolegal-studies/sociolegal-studies-minor/>)
- Sociology (<https://catalog.luc.edu/undergraduate/arts-sciences/sociology/>)
  - Honors in Sociology or Sociology/Anthropology (<https://catalog.luc.edu/undergraduate/arts-sciences/sociology/honors-sociology-sociology-anthropology/>)
  - Sociology (BA) (<https://catalog.luc.edu/undergraduate/arts-sciences/sociology/sociology-ba/>)
  - Sociology (BA/MA) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/sociology-bama/>)
  - Sociology/International Affairs (BA/MA) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/sociology-international-affairs-bama/>)
  - Sociology Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/sociology/sociology-minor/>)
  - Sociology-Anthropology (BA) (<https://catalog.luc.edu/undergraduate/arts-sciences/sociology/sociology-anthropology-ba/>)
- Theology (<https://catalog.luc.edu/undergraduate/arts-sciences/theology/>)
  - Honors/Distinction in Theology (<https://catalog.luc.edu/undergraduate/arts-sciences/theology/honors-distinction-theology/>)
  - Pastoral Leadership Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/theology/pastoral-leadership-minor/>)
  - Religious Studies (BA) (<https://catalog.luc.edu/undergraduate/arts-sciences/theology/religious-studies-ba/>)
  - Religious Studies Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/theology/religious-studies-minor/>)
  - Theology (BA) (<https://catalog.luc.edu/undergraduate/arts-sciences/theology/theology-ba/>)
  - Theology (BA/MA) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/ba-ma-theology/>)
  - Theology/International Affairs (BA/MA) (<https://catalog.luc.edu/undergraduate/accelerated-bachelors-masters-program/theology-international-affairs-bama/>)
  - Theology Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/theology/theology-minor/>)
- Urban Studies (<https://catalog.luc.edu/undergraduate/arts-sciences/urban-studies/>)
  - Urban Studies Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/urban-studies/urban-studies-minor/>)
  - Urban Studies Sustainability Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/urban-studies/urban-studies-sustainability-minor/>)
- Women's Studies and Gender Studies (<https://catalog.luc.edu/undergraduate/arts-sciences/womens-studies-gender-studies/>)

- Women's Studies and Gender Studies (BA) (<https://catalog.luc.edu/undergraduate/arts-sciences/womens-studies-gender-studies/womens-studies-gender-studies-ba/>)
- Women's Studies and Gender Studies Minor (<https://catalog.luc.edu/undergraduate/arts-sciences/womens-studies-gender-studies/womens-studies-gender-studies-minor/>)

## College and Arts and Sciences Policies

### Double-Dipping Policy

#### Academic Council Double-Dipping Policy

1. Students may not major and minor in the same discipline.
2. Majors: No fewer than **21 credit hours in the individual student's transcript must be unique to each major**; that is, the courses in question are considered as actually fulfilling requirements of one major, not of more than one major.
3. Minors and interdisciplinary minors: no fewer than **8 credit hours in the individual student's transcript must be unique to each minor**; that is, the courses in question are considered as actually fulfilling requirements of one minor, not of more than one minor or major.
4. Departments and Programs may enforce stricter double-dipping policies than those stated above. Any such policies are listed on the department or program website.

Adopted: 04/20/16 (CAS Academic Council); Received 08/22/16 (CAS Leadership Council)

### Academic Integrity Statement

#### College of Arts & Sciences Statement on Academic Integrity

The College of Arts & Sciences adheres to the University's Standards & Regulations regarding Academic Integrity (<https://catalog.luc.edu/academic-standards-regulations/undergraduate/>).

## Undergraduate Policies and Procedures

Please see Undergraduate Policies and Procedures (<https://catalog.luc.edu/academic-standards-regulations/undergraduate/>) for academic policies that supersede those of academic units within the University.

## African Studies and the African Diaspora (AFR)

### AFR 102 Introduction to Black World Studies (3 Credit Hours)

Introduction to Black World Studies examines several cultures within the Black world, across various countries and regions around the globe. Students will be familiarized with the impact of tradition, religion, oppression, popular culture, art, memory and specific aspects of trans-generational practices on these cultures as well as the influences of colonialism upon African peoples and the latter upon the former.

*Interdisciplinary Option: African Studies and the African Diaspora*

### AFR 295 Directed Readings in Black World Studies (3 Credit Hours)

This course allows students to engage in a directed self-study of a topic in the realm of African Studies and the African Diaspora that is not covered in other courses offered in the program. Students will work with the AFR Director or another advisor to develop their own class readings and research assignment. Director approval is required for this course.

**AFR 397 Capstone/Internship (3 Credit Hours)**

This capstone course may be completed in a variety of ways. This includes an internship at a business or organization that is related to the program, or a study abroad semester related to the program. Internships require a minimum of 10 hours/week verified service hours over the 15 week semester, amounting to 3 credit hours. Students may also make a 300 level AFR course into a "Capstone" by adding an additional, in-depth research assignment approved by the course instructor and the program director. Director approval is required for this course.

*Interdisciplinary Option:* African Studies and the African Diaspora  
This course satisfies the Engaged Learning requirement.

**American Sign Language (ASL)****ASL 101 American Sign Language I (3 Credit Hours)**

ASL 101 is the first class in the American Sign Language series at Loyola. It presents the basic skills and use of ASL and basic knowledge of Deaf & Hard of Hearing Culture.

*Outcomes:*

Students will: 1) demonstrate the basic abilities to comprehend and communicate in ASL; 2) demonstrate an understanding of Deaf & Hard of Hearing communities

**ASL 102 American Sign Language II (3 Credit Hours)**

*Pre-requisites:* ASL 101 or equivalent

This course is designed for students who have completed a college level ASL I course and have a basic knowledge of ASL. It is the second course in the ASL series at Loyola and presents intermediate skills and use of ASL and continued working knowledge of Deaf & Hard of Hearing culture.

*Outcomes:*

Students will: 1) demonstrate abilities to comprehend and communicate in ASL at an intermediate level; 2) demonstrate an understanding of Deaf & Hard of Hearing communities

**ASL 103 American Sign Language III (3 Credit Hours)**

*Pre-requisites:* Completion of ASL 102, or prior to enrolling in ASL 103, students must consult ASL professors for language placement, ensuring readiness based on prior experience

This course includes vocabulary-building and mastery of grammar through rigorous receptive and expressive activities. ASL skills development applied to complex grammatical structures. Topics include location and description of items in rooms and buildings, complaints, making suggestions, and making requests. Depicting /Indicating verb grammatical structures introduced. Discussions of Deaf culture. 2) Acquire adequate speed in expressive and receptive signing skills. 3) Expand sign terminology in areas such as classifiers, sentence types, numbers, NMS

*Outcomes:*

1) Demonstrate fluency in expressive, receptive fingerspelling/numbering in ASL

**ASL 104 American Sign Language IV (3 Credit Hours)**

*Pre-requisites:* Completion of ASL 103, or prior to enrolling in ASL 104, students must consult ASL professors for language placement, ensuring readiness based on prior experience

This intermediate ASL course refines students' expressive and receptive skills. Advanced linguistic structures introduced and put into practice. Vocabulary-building in specific challenging areas: academics, occupations, computer technologies, and abstract nouns. Current events discussed in ASL, giving students opportunities to apply linguistic-cultural knowledge while participating in open discussions. 2) Narrate and describe events in connected, paragraph-length ASL discourse. 3) Exchange information and perspectives in group settings at intermediate level.

*Outcomes:*

1) Comprehension and expression with intermediate ASL vocabulary and correct grammar

**Anthropology (ANTH)****ANTH 100 Globalization and Local Cultures (3 Credit Hours)**

This course examines anthropological approaches to social and cultural changes associated with globalization, particularly how global patterns of inequality profoundly impact people's lives.

*Knowledge Area:* Foundational Societal Knowledge

*Interdisciplinary Option:* African Studies and the African Diaspora, Asian Studies, Global Studies, Human Services, International Business

*Course equivalencies:* ANTH100/271/INTS271

*Outcomes:*

Students will demonstrate an understanding of relationships between historic and contemporary global processes, especially ways globalization influences inequality and peoples' social, symbolic, material, political, and economic existence

**ANTH 101 Human Origins (3 Credit Hours)**

*Pre-requisites:* ENVS 101 or equivalent; please check requirements for declared majors/minors for exceptions

This course focuses on the biocultural evolution of our species, *Homo sapiens*. It addresses the basic human desire for self-understanding. We explore what it means to be human through the use of genetics, non-human primates, and the fossil record. Each section of the course contributes to an overall understanding of human origins and the process of evolution.

*Knowledge Area:* Tier 2 Scientific Knowledge

*Interdisciplinary Option:* Bioethics

*Outcomes:*

By the end of the semester students will have a better understanding of human nature, our relationship to the world around us, and our interactions with each other

**ANTH 102 Culture, Society, and Diversity (3 Credit Hours)**

*Pre-requisites:* ANTH 100, PLSC 102, PSYC 100, SOCL 101, WSGS 101, or equivalent; please check requirements for declared majors/minors for exceptions

This course introduces the anthropological study of living people, or cultural anthropology, with particular focus on how people understand, act in, and transform their worlds. Students will also consider how anthropology can help us think about our own society and what it means to be human in different times and places.

*Knowledge Area:* Tier 2 Societal Knowledge

*Interdisciplinary Option:* Human Services, International Business

*Outcomes:*

Students will be able to demonstrate ways that central concepts of cultural anthropology help us understand cultural diversity; learn how to think critically about various cultures (including their own); and be aware of the ethical dimensions of research with living people

**ANTH 103 Biological Background Human Social Behavior (3 Credit Hours)**

*Pre-requisites:* ENVS 101 or equivalent; please check requirements for declared majors/minors for exceptions

This course examines possible biological bases of modern human behavior, from a scientific and multi-disciplinary perspective, to explore questions regarding what comprises "human nature".

*Knowledge Area:* Tier 2 Scientific Knowledge

*Interdisciplinary Option:* Bioethics

*Outcomes:*

Students will demonstrate an understanding of how science is conducted, as well as interactions between science and culture, in the context of how evolutionary approaches to animal behavior may be applied to the study of human behavior

**ANTH 104 The Human Ecological Footprint (3 Credit Hours)**

*Pre-requisites:* ENVS 101 or equivalent; please check requirements for declared majors/minors for exceptions

This course is an introduction to global human ecology and concentrates on how we as humans affect global ecosystems and how these changes can impact our behavior, health, economics, and politics.

*Knowledge Area:* Tier 2 Scientific Knowledge

*Interdisciplinary Option:* Bioethics, Global Studies, Peace, Justice, and Conflict Studies, Urban Studies

*Course equivalencies:* X-ANTH104ESP104PAX104INTS102

*Outcomes:*

Students will be able to draw connections between basic ecological processes and the global patterns of human population growth, health and disease, inequality and poverty, subsistence strategies, and land use and technology

**ANTH 105 Human Biocultural Diversity (3 Credit Hours)**

*Pre-requisites:* ENVS 101 or equivalent; please check requirements for declared majors/minors for exceptions

This course examines human variation through a biocultural approach, with specific attention paid to historical and contemporary ideas of race. We explore genetics and how evolution by natural selection has favored important adaptations, how those specific adaptations have helped humans migrate and survive across the planet's habitats, and socio-cultural and scientific ideas about race that have resulted in inequalities.

*Knowledge Area:* Tier 2 Scientific Knowledge

*Interdisciplinary Option:* African Studies and the African Diaspora,

Bioethics, Neuroscience, Race and Ethnicity

*Course equivalencies:* X-BIET 105/ANTH 105

*Outcomes:*

Students will gain an understanding of how biocultural approaches help us understand human variation, with specific attention paid to skin color and the idea of race; Students will learn how scientific racism in anthropology contributed to our ideas of race, and how that can be seen in contemporary US society

**ANTH 106 Sex, Science and Anthropological Inquiry (3 Credit Hours)**

*Pre-requisites:* ENVS 101 or equivalent; please check requirements for declared majors/minors for exceptions

This course examines sex utilizing a scientific and anthropological lens. Anthropology brings a unique perspective to the study of sex by examining it across cultures and through an evolutionary perspective. In this class, we will travel around the world and through deep time to examine how sex is shaped by biological, cultural, and political factors. Topics include sex, sexuality, sexual orientation, gender, evolution, reproductive biology, parenting, sex work, and sexually transmitted infections.

*Knowledge Area:* Tier 2 Scientific Knowledge

*Interdisciplinary Option:* Bioethics, Women & Gender Studies

*Course equivalencies:* X-ANTH 106/WOST 106/WSGS106

*Outcomes:*

Students will be able to demonstrate an understanding of the intersection of sexology and anthropology, an evolutionary perspective on sex, the physiological and anatomical aspects of male and female sexual systems, a comparative view of human sexuality across the life course, and how globalization is influencing sex and gender

**ANTH 107 Ancient Worlds (3 Credit Hours)**

*Pre-requisites:* HIST 101, HIST 102, HIST 103, HIST 104, or equivalent; please check requirements for declared majors/minors for exceptions

This course explores societies in the near and distant past, with an emphasis on examining cultures left out of standard US and world history textbooks.

*Knowledge Area:* Tier 2 Historical Knowledge

*Outcomes:*

Students will be able to: 1) describe the early history and scientific foundations of archaeology; 2) explain important developments in human history; 3) apply their knowledge to decolonize world history



**ANTH 203 Violence, Social Suffering, and Justice (3 Credit Hours)**

*Pre-requisites:* ANTH 100, PLSC 102, PSYC 100, SOCL 101, WSGS 101, or equivalent; please check requirements for declared majors/minors for exceptions

This class investigates violence, suffering and justice through an ethnographic and cross-cultural perspective. It asks, how are overt forms of violence related to larger social structures which produce less visible forms of suffering? How are violence and suffering related to other socio-cultural phenomena such as race, gender, sexuality and identity?

*Knowledge Area:* Tier 2 Societal Knowledge

*Interdisciplinary Option:* Global Studies, Peace, Justice, and Conflict Studies, Race and Ethnicity, Women & Gender Studies

*Outcomes:*

Students will understand: the ethnographic analysis of violence and social suffering; political and economic contexts of violence, including colonialism, globalization, racism, and poverty; movements for justice and safety

**ANTH 205 Gender in Cross-Cultural Perspective (3 Credit Hours)**

This course explores a broad range of cultural expectations for gender diversity and the experiences of women in different cultures.

*Interdisciplinary Option:* Women & Gender Studies

*Course equivalencies:* X-ANTH205/WOST205/WSGS205

*Outcomes:*

Students will be able to demonstrate understanding of how categories and concepts of sex and gender are culturally constructed and reflect wide variation both historically and cross-culturally

**ANTH 207 Economies, Culture, and Development (3 Credit Hours)**

*Pre-requisites:* ANTH 100 or ANTH 102

The course explores different types of and ideas about exchange, economies, and development in cross-cultural perspective and through ethnography.

*Interdisciplinary Option:* Global Studies

*Outcomes:*

The course will help students learn about (1) the development of social thought about non-Western economic activity; (2) the key theories from and debates within Economic Anthropology; (3) contemporary ethnography about economies and development; and (4) ways to think critically about and apply course concepts

**ANTH 208 Language and Identity (3 Credit Hours)**

*Pre-requisites:* ANTH 100, PLSC 102, PSYC 100, SOCL 101, WSGS 101, or equivalent; please check requirements for declared majors/minors for exceptions

This course will examine how language both reflects and helps constitute identity in social and linguistic interaction. Presenting a broad introduction, this course will address complex and often intersecting relationships between language and gender, race, class, place, age, and social practice, using case studies from around the world.

*Knowledge Area:* Tier 2 Societal Knowledge

*Interdisciplinary Option:* Race and Ethnicity

*Outcomes:*

Students will learn how language is central to the expression and interpretation of social and cultural identities, and to human experiences of diversity

**ANTH 210 Visual Representation of Culture (3 Credit Hours)**

The course deals with how human cultural identities are represented through the construction of both moving and static visual images.

*Interdisciplinary Option:* Film & Digital Media Studies, International Film & Media Studies

*Course equivalencies:* X-ANTH210/IFMS210

*Outcomes:*

Students will gain critical skills resulting in greater visual literacy regarding how constructed visual images are used to represent cultures

**ANTH 211 Peoples of Latin America (3 Credit Hours)**

This course offers an anthropological overview of the major cultures and cultural regions of contemporary Latin America.

*Interdisciplinary Option:* African Studies and the African Diaspora, Global Studies, Latin American Studies, Race and Ethnicity

*Course equivalencies:* X-ANTH211/INTS211/LASP211

*Outcomes:*

Students will understand the basic cultural processes that led to the formation of the socio-political landscape of contemporary Latin American

**ANTH 212 Peoples of Native North America (3 Credit Hours)**

This course considers post-contact ethnography including key contemporary issues among indigenous North American peoples including Indian-white relations, assimilation, genocide, revitalization movements, sovereignty, environmentalism, urbanization, and native identity.

*Outcomes:*

Students will be able to describe the pattern and basis of cultural diversity among native North American peoples and their historical relationships with Euro-American colonists

**ANTH 213 Culture in Africa (3 Credit Hours)**

This course takes an interdisciplinary perspective, and includes discussion of African history, political economy, and contemporary forms of social life and culture. It also examines intellectual and historical trajectories informing how knowledge about Africa was and is produced.

*Interdisciplinary Option:* African Studies and the African Diaspora, Global Studies, Race and Ethnicity

*Course equivalencies:* X-ANTH213/BWS 213/INTS214

*Outcomes:*

Students will acquire a comprehensive grasp of significant issues in contemporary Africa, their historical relevance, and social and cultural impacts

**ANTH 214 African-American Anthropology (3 Credit Hours)**

This course offers an historical and contemporary exploration of various efforts undertaken by African Americans and their supporters to achieve racial parity, social justice and equality with other Americans, from the early presence of Africans in the Americas to the present period.

*Interdisciplinary Option:* African Studies and the African Diaspora

*Course equivalencies:* X-ANTH214/BWS 214

*Outcomes:*

Students will understand landmark legal cases brought to US courts of law by African Americans and their supporters and strengthen their critical thinking and writing skills on these and related topics

**ANTH 215 Contemporary Japanese Culture (3 Credit Hours)**

This course critically evaluates popular and scholarly characterizations and theories about Japan through investigation of ethnicity, gender roles, language, demographic change, and the impact and role of popular culture.

*Interdisciplinary Option:* Asian Studies, Global Studies, Japanese Language and Culture

*Course equivalencies:* ANTH215ASIA361INTS215ASIA215

*Outcomes:*

Students will be able to demonstrate an awareness of how Japanese values and behavior are influenced by culture and history, an understanding of the relationships among cultural, economic, and social forces, and of contemporary social diversity

**ANTH 216 Cultures of Migration (3 Credit Hours)**

Using theoretical, ethnographic, and autobiographical literature from different world regions, we will explore three central questions: 1) How do people make the decision to move? 2) How do political policies structure the life chances of im/migrants in the "global north"? 3) How do im/migrants transform their own life situations and communities?

*Interdisciplinary Option:* Global Studies, Italian American Studies, Latin American Studies, Race and Ethnicity

*Outcomes:*

Students will understand: an anthropological approach to the study of migration; leading theories of migration; contemporary migration patterns; im/migrant labor; factors that shape the formation of im/migrant communities

**ANTH 217 Mexican Culture & Heritage (3 Credit Hours)**

In this class, students become familiar with Mexico and its people as we explore Mexican history, contemporary Mexico, and Mexican migration to the United States. At each juncture, we consider how sociocultural developments shaped Mexican society in the context of the region and the world.

*Interdisciplinary Option:* Global Studies, Latin American Studies, Race and Ethnicity

*Course equivalencies:* X-ANTH217/INTS217/LASP217

*Outcomes:*

Students will be able to explain concepts such as colonialism, neocolonialism, globalization, and migration through their application to Mexican culture and history

**ANTH 220 Contemporary Cultures of the Middle East (3 Credit Hours)**

Focusing on the culturally diverse region of the Middle East, the course considers historical dynamics, diversity of religious orientations, gender and ethics relations, nation-building strategies, and expressive arts (architecture, film, literature and media), from the Middle East.

*Interdisciplinary Option:* Arabic Language and Culture, Global Studies, Islamic World Studies

*Course equivalencies:* X-ANTH220/IWS220/INTS222

*Outcomes:*

Students will be able to demonstrate an understanding of the history, geography, religious, cultural and ethnic diversity of the Middle East as well as the major ethnographic themes and scholarly debates concerning the area

**ANTH 222 Culture in Contemporary Europe (3 Credit Hours)**

This course explores culture in contemporary Europe from an ethnographic perspective. Topics include recent developments in European nationalisms; the EU and Europeanization; (im)migration and integration; family and gender; production and branding; international tourism; and the politics of language in both 'old' and 'new' Europe.

*Interdisciplinary Option:* European Studies, Global Studies, European Studies, Global Studies

*Outcomes:*

Students will understand the role of culture in European current events, appreciate the challenges facing the European Union, and articulate connections between European history and contemporary European and global politics

**ANTH 224 Social Movements, Culture, and Activism (3 Credit Hours)**

This class examines social movements and activism from an ethnographic perspective. Case studies will examine movements across the globe. Topics to analyze include: what socio-cultural contexts shape, and are shaped by, social movements? How do social movements organize themselves, and what meanings or belief systems do they appeal to?

*Outcomes:*

familiarizing students with the ethnographic analysis of social movements; analyzing the socio-cultural effects of global commodity flows, secularization, environmental pollution, corporate power, migration and other political issues; examining how people resist, reproduce and alter relations of power; and introducing students to the broader field of political anthropology

**ANTH 225 Museum Cultures (3 Credit Hours)**

This course explores the museum as a dynamic site of cultural production and consumption. It examines the historical and contemporary relationships between museums, anthropology, and material culture, particularly the broader socio-cultural context of collecting from and representing cultures. Students will visit, discuss, and critique exhibitions in Chicago-based museums.

*Outcomes:*

Students will gain knowledge of museums as sites of anthropological study and practice, particularly the formation, history, and use of anthropological collections, and cultural representations

**ANTH 231 Linguistic Anthropology (3 Credit Hours)**

*Pre-requisites:* ANTH 100 or ANTH 102

This course introduces the subfield of linguistic anthropology through a survey of topics, including linguistic relativity, linguistic patterning and structure, nonverbal communication, indexicality, and linguistic diversity and inequality.

*Outcomes:*

Students will demonstrate knowledge of the historical, scientific, methodological, and analytical foundations of linguistic anthropology

**ANTH 241 Principles of Archaeology (3 Credit Hours)**

*Pre-requisites:* ANTH 101 or ANTH 104

Introduction to the ethical principles and scientific methods used to investigate the archaeological record, including issues of stewardship, community collaboration, research design, fieldwork strategies, materials analysis, and archaeological interpretation.

*Outcomes:*

Students will be able to explain the basic methods and theory of the archaeological process; Students will also be able to apply their knowledge to craft an archaeological research design

**ANTH 242 Mesoamerican Archaeology and Survivance (3 Credit Hours)**

This course explores the cultures and peoples of Mesoamerica (Mexico, Guatemala, Belize, Honduras, El Salvador) in long-term perspective, with emphasis on Indigenous survivance and heritage. Cultures examined include the Mayas, Olmecs, Teotihuacanos, Zapotecs, and Mexicas (Aztecs).

*Interdisciplinary Option:* Latin American Studies, Race and Ethnicity

*Course equivalencies:* ANTH242/LASP216

*Outcomes:*

Students will be able to: 1) define what is meant by Mesoamerica; 2) identify how Mesoamerican heritage connects to contemporary nations and descendants; 3) explain key themes in Mesoamerican archaeology

**ANTH 243 North American Archaeology (3 Credit Hours)**

*Pre-requisites:* ANTH 101 or ANTH 104

This course surveys archaeological evidence in North America with focus on regional patterns of indigenous adaptation and explanations for prehistoric culture change.

*Outcomes:*

Students will be able to describe the chronological pattern and regional diversity in the cultural evolution of prehistoric societies in North American from ice-age colonization to European contact

**ANTH 244 Historical Archaeology (3 Credit Hours)**

*Pre-requisites:* ANTH 101 or ANTH 104; Recommended: ANTH 241

Historical archaeology merges the study of documentary records with material remains to understand the overlaps, gaps, and contradictions in narratives about the human experience. This course is an introduction to the methods of historical archaeology, including issues of perspective, coloniality, and silencing that shape our understanding of history.

*Outcomes:*

Students will be able to 1) describe how archaeology and anthropology complement documentary analysis; 2) identify sources of bias in historical analysis; 3) apply intersectional and community-based methods to archaeology

**ANTH 245 Gender in Deep Time (3 Credit Hours)**

Students will critically reflect on gender in cross-cultural and long-term perspective. From an anthropological perspective, they will also deconstruct their own cultural biases and assumptions. With a deep and critical understanding of contemporary norms, students will apply evidence-based reasoning to examine the construction of gender in the past.

*Interdisciplinary Option:* African Studies and the African Diaspora, Women & Gender Studies

*Outcomes:*

1) Describe Western ideas of gender and sexuality; 2) identify connections between feminist movements and gender archaeology; 3) apply an intersectional approach to the study of gender both past and present

**ANTH 246 Ancient Human-Animal Interactions (3 Credit Hours)**

*Pre-requisites:* For BIOL-BS, BIOL-MINR, and BIOE-BS students: BIOL 102; for all others: ANTH 101, ANTH 104, BIOL 102, ENVS 101, or ENVS 137

This course focuses on human-animal interactions in the past and covers how humans have shaped the geographic ranges and behaviors of animals today. Questions on whether humans caused prehistoric animal extinctions and how animal domestication occurred will be explored using evidence from archaeological and paleontological records around the world.

*Course equivalencies:* X - ANTH 246 / BIOL 246

*Outcomes:*

Students will demonstrate an understanding of how archaeologists use empirical data to answer questions about prehistoric human-animal interactions

**ANTH 247 Aliens, Atlantis, and Archaeology (3 Credit Hours)**

Students will examine the foundations of archaeological knowledge claims to distinguish science from pseudoscience. Students will also examine ways of knowing that go beyond Western science (i.e., Indigenous epistemologies). In the end, students will understand why academic archaeologists do or do not accept claims about ancient aliens or mythical moundbuilders. 2) Differentiate science from pseudoscience in popular media. 3) Construct an evidence-based argument about an archaeological controversy.

*Outcomes:*

1) Identify logical arguments and their supporting evidence

**ANTH 258 Medical Anthropology & Global Health (3 Credit Hours)**

This course examines how society and health are intertwined using medical anthropology and global health. Medical anthropology is the study of how health and illness are shaped, experienced, and understood cross-culturally, while global health is dedicated to improving the health of populations worldwide. Students will apply their knowledge to develop a research proposal.

*Interdisciplinary Option:* Bioethics

*Outcomes:*

Students will learn how medical anthropologists and global health scientists work in varying cultural contexts to understand health and illness

**ANTH 280 Evolution of Human Disease (3 Credit Hours)**

The complex interaction between humans and pathogens is explored throughout time, with particular emphasis on the role and impact of human biology, human culture, and changing environments.

*Interdisciplinary Option:* Bioethics

*Course equivalencies:* X-ANTH280/BIOL280/BIET280

*Outcomes:*

Students will be able to demonstrate understanding of the human immunological system, competing paradigms of human health, the processes and mechanisms of biological evolution, the pathogenesis of specific diseases, and the archaeological, paleopathological, paleodemographic, and historical data used to explore the evolution of disease

**ANTH 281 Evolution of the Human Diet (3 Credit Hours)**

*Pre-requisites:* For BIOL-BS, BIOL-MINR, and BIOE-BS students: BIOL 102; for all others: ANTH 101 or BIOL 102

This interdisciplinary course explores the evolution of the human diet utilizing a biocultural perspective. The complex interplay between our diet, biology, and culture is examined through energy acquisition, primate and hominin nutrition, the Agricultural Revolution and Industrialization on human health, food sustainability, and nutritional inequality through socioeconomic and gender lenses.

*Course equivalencies:* X-BIOL 281/ANTH 281

*Outcomes:*

Students will identify the role food has played throughout the 6-7 million years of human evolution, and its significance in terms of climate change variability, evolutionary adaptations and contemporary inequality

**ANTH 300 Anthropology Career Development (3 Credit Hours)**

*Pre-requisites:* Restricted to ANTH/SANT majors and minors

This course empowers students to translate their undergraduate anthropology education into a professional portfolio that communicates their knowledge, skills, and experiences to graduate schools and future employers.

*Outcomes:*

Through personal reflection exercises, the preparation of professional and scholarly application documents, and proposal writing, students will gain insight into how their anthropological education informs their future professional interests

**ANTH 303 People and Conservation (3 Credit Hours)**

This course considers the interplay between indigenous peoples and environmental resources utilizing current perspectives from evolutionary and community ecology, conservation biology, anthropology, political ecology and economics.

*Interdisciplinary Option:* Bioethics, Global Studies

*Course equivalencies:* ANTH303/INTS303A/BIET303

*Outcomes:*

Students will demonstrate an understanding of factors influencing this interplay, including environmental ethics, traditional environmental knowledge, resource management, community-based conservation, property rights, common-pool resources, sustainable development, land tenure, indigenous movements, and eco-tourism

**ANTH 304 Anthropological Theory (3 Credit Hours)**

*Pre-requisites:* ANTH 100 or ANTH 102

In this course, we review major works of anthropological theory that have influenced anthropology over the course of the past two centuries. We attend to dynamic conversations that occur within the discipline, the geopolitical diversity (and lack thereof) of anthropological theorists, and we consider how these factors have shaped the trajectory of anthropological research over time.

*Interdisciplinary Option:* Race and Ethnicity

*Outcomes:*

Students will: Demonstrate in-depth knowledge of major paradigms and concepts in anthropology; apply anthropological theory to contemporary topics and debates; critically discuss ethical and political implications of anthropological research; demonstrate familiarity with main points of agreement and disagreement in the discipline

**ANTH 305 Violence and Culture (3 Credit Hours)**

This course examines the complex relationships between violence and culture using the ethnographic method as practiced by anthropologists and other social scientists.

*Interdisciplinary Option:* Global Studies, Sociolegal Studies

*Course equivalencies:* ANTH305/INTS303/PAX305

*Outcomes:*

Students will demonstrate an understanding of the ways violence destroys, alters or produces forms of cultural meaning and social action and the ways in which cultural difference impacts patterns of violence

**ANTH 306 Anthropology and Human Rights (3 Credit Hours)**

*Pre-requisites:* ANTH 100 or ANTH 102

This course examines the concept of universal human rights, and the social movement that has developed to promote human rights, from an anthropological perspective.

*Interdisciplinary Option:* Global Studies, Sociolegal Studies

*Course equivalencies:* ANTH306/INTS308/PAX306

*Outcomes:*

Students will be able to demonstrate an understanding of the social and historical origins of the concept of human rights and analyze the debates that arise out of applying the concept of human rights in cross-cultural contexts

**ANTH 307 The Body and Culture (3 Credit Hours)**

This course examines how culture shapes how the human body is understood, categorized and used, and it also examines how bodily experiences shape culture and society. Drawing on cultural anthropology, it analyzes diverse cross-cultural examples, possibly ranging from body decoration among Amazonian indigenous people, to plastic surgery, childbirth, or sports.

*Interdisciplinary Option:* Women & Gender Studies

*Outcomes:*

Students will learn how socio-cultural forces shape human bodies; understand how cultural anthropology examines the body; and examine classic social theories about bodies, gender, social class and subjectivity

**ANTH 309 Urban Anthropology (3 Credit Hours)**

*Pre-requisites:* ANTH 100 or ANTH 102

This course is focused on defining characteristics of city life across a variety of societies. It particularly considers urban complexity in the context of the globalization of cities.

*Interdisciplinary Option:* Urban Studies

*Outcomes:*

Students will gain a cross-cultural and global outlook on the defining features of urbanism

**ANTH 314 Applied Anthropology (3 Credit Hours)**

*Pre-requisites:* ANTH 304 or Instructor approval

This course offers a hands-on introduction to the application of anthropological principles and methods to non-academic, "real world" problems. Course sessions will be dedicated to situating applied anthropology within the broader discipline, learning methods, and practicing applied cultural techniques. Students will also develop and carry out an applied cultural anthropology project.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will: situate applied anthropology in the broader discipline; practice a variety of applied methodological techniques; work with a community partner to design a project; prepare a comprehensive and clearly written report



**ANTH 316 Anthropology of Religion & Ritual (3 Credit Hours)***Pre-requisites:* ANTH 100 or ANTH 102

The course considers religion as a form and part of culture. The innovative as well as conservative features of religion in culture change are addressed. Religion's role as both a belief-system and ritual practice are underscored.

*Outcomes:*

Students will develop the capacity to view religion in a broad perspective and to understand it as a significant factor of belief and practice in cultural systems

**ANTH 317 Ethnographic Methods (3 Credit Hours)**

This course is designed to offer an introduction to qualitative methods in anthropology. Students will learn methodologies such as participant observation, interviewing, and document analysis, and we will also address ethical issues in field research. Students will design and carry out an ethnographic research project. Instructor permission required.

*Interdisciplinary Option:* Urban Studies

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will: demonstrate in-depth knowledge of qualitative research techniques; critically discuss ethical implications of ethnographic research; undertake original ethnographic fieldwork; prepare a comprehensive, theoretically informed, and clearly written report based on original ethnographic data

**ANTH 319 Anthropology of Tourism (3 Credit Hours)***Pre-requisites:* ANTH 100 or ANTH 102

This course explores the phenomenon of tourism from an anthropological perspective, addressing the social, cultural, economic, and environmental impact of tourism on host communities and nations.

*Interdisciplinary Option:* Global Studies*Course equivalencies:* X-ANTH319/INTS319*Outcomes:*

Students will demonstrate an understanding of the strengths/limitations of various theoretical models for understanding tourism dynamics; tourism's role in national development; the interplay between tourism and cultural imagery; gender dynamics in tourism; the role of tourism institutions (museums, souvenirs, travel literature) in the construction of "exotic others"

**ANTH 321 Human Rights in Latin America (3 Credit Hours)**

This course examines human rights in Latin America from a multidisciplinary perspective. It asks: what are human rights? Why have human rights abuses occurred and how have Latin Americans responded?

*Interdisciplinary Option:* Catholic Studies, Global Studies, Latin American Studies, Peace, Justice, and Conflict Studies, Sociolegal Studies*Course equivalencies:* X-ANTH 321/LASP 398*Outcomes:*

Students will understand the international human rights legal framework, be able to analyze why abuses have occurred, and understand how Latin Americans have mobilized by studying specific cases

**ANTH 324 Human Evolution (3 Credit Hours)***Pre-requisites:* ANTH 101 or ANTH 103

The course examines the discipline of paleoanthropology, including the techniques and methods, evolutionary framework, and detailed analysis of skeletal and archaeological material that form our current understanding of human evolution. Students will develop critical thinking skills in how to interpret the human fossil and archaeological records.

*Interdisciplinary Option:* Forensic Science, Neuroscience*Outcomes:*

Students will be able to discuss the interdisciplinarity of paleoanthropology, including the use of specific geology, chemistry, and archaeological techniques

**ANTH 325 Primatology-Behavior & Ecology (3 Credit Hours)***Pre-requisites:* ANTH 101 or any 100-level Biology course

This course examines primate behavior and ecology from a comparative and evolutionary perspective. Students will be introduced to the diversity across taxonomic groups within the Order Primates. Through class discussion and observation, students will explore key issues in primate studies. Students will develop and apply skills in primate observation.

*Interdisciplinary Option:* Neuroscience*Course equivalencies:* X-ANTH325/BIOL325/ESP 325*Outcomes:*

Students will be able to describe the taxonomic diversity of non-human primates and explain the impact of biological, evolutionary, and ecological factors on primate behavior

**ANTH 326 Human Osteology Lec/Lab (4 Credit Hours)***Pre-requisites:* ANTH 101, or ANTH 103, or background in Biology

This course focuses on developing a deep understanding of the human skeleton and ways in which biological anthropologists and forensic anthropologists use this knowledge to explore human biological diversity. Through hands-on exercises and class discussion, students will build analytical skills that are foundational to many techniques used by professionals and will appreciate the complex ethical considerations inherent to the fields of biological and forensic anthropology.

*Interdisciplinary Option:* Forensic Science*Course equivalencies:* X-ANTH326/BIOL326*Outcomes:*

Students will be able to demonstrate superior knowledge of skeletal anatomy, analyses of skeletal remains from archaeological contexts, and apply current techniques designed to understand and explore human variation, stature, ancestry, age-at-death, sex, and pathological conditions

**ANTH 327 Dental Anthropology (3 Credit Hours)***Pre-requisites:* ANTH 101 or any 100-level Biology course

This course examines teeth with an anthropological perspective. By using evolution by natural selection as our theoretical framework, students will learn dental anatomy, morphology, and variation. The course then focuses on embryology, dental development and eruption, and the biocultural ways humans use their teeth.

*Course equivalencies:* X- ANTH 327/BIOL 378*Outcomes:*

Students will gain factual knowledge of teeth from an evolutionary perspective and will develop specific hands-on skills needed by dental anthropologists, dentists, and oral biologists including dental molding, casting, and wear scoring

**ANTH 328 Pompeii and Herculaneum (3 Credit Hours)**

The two best known Roman towns - Pompeii and Herculaneum - whose remains were preserved by the eruption of Mt. Vesuvius in 79 CE - will serve as a microcosm for understanding Roman society.

*Interdisciplinary Option:* European Studies

*Course equivalencies:* HIST328/CLST328/ANTH328

*Outcomes:*

Students will gain an understanding of how recent archaeological discoveries have changed our view of Pompeii and Herculaneum and learn to "read" such things as dining and bathing rituals, gladiator games, and public and private architecture to gain insight into the structures of Roman social and cultural life

**ANTH 330 Language in Popular Culture (3 Credit Hours)**

*Pre-requisites:* ANTH 100 or ANTH 102 or ANTH 208

This course presents a critical approach to understanding language and linguistic innovation in popular culture, including entertainment and news media, digital communication, and political discourse.

*Outcomes:*

Students will 1) identify linguistic patterns and language ideologies in mass media and digital discourse, 2) critically assess linguistic evaluations and (mis)representations of social groups, 3) apply linguistic anthropological insights to their own experiences with language in pop culture

**ANTH 332 Language, Race, and Inequality (3 Credit Hours)**

*Pre-requisites:* ANTH 100 or ANTH 102 or ANTH 208

This course addresses how and why languages and speakers are associated with racialized stereotypes, and how linguistic discrimination operates in U.S. culture today. In-depth case studies examine language and race in education, mass media, material culture, and everyday interaction. Critical perspectives on sociolinguistic norms and relationships between language, Whiteness, and power are also included. Critical thinking and writing are emphasized.

*Interdisciplinary Option:* African Studies and the African Diaspora, Latin American Studies, Race and Ethnicity

*Outcomes:*

Students will identify relationships between language and race in everyday life, recognize and analyze instances of linguistic discrimination, stereotypes, and covert racism

**ANTH 334 Intro to Classical Archaeology (3 Credit Hours)**

Refer to CLST 334

*Interdisciplinary Option:* European Studies

*Course equivalencies:* X-ANTH334/CLST334

**ANTH 334R Introduction to Classical Archaeology - Rome/Italy Focus (3 Credit Hours)**

This course focuses on the main explorations and achievements in the recovery of monuments of the ancient Greco-Roman world, particularly in Rome and Italy, and on the methodologies involved with the recoveries.

*Course equivalencies:* X-ANTH334/CLST334

*Outcomes:*

Students should be able to recognize and interpret selected sites and monuments of the Greco-Roman world; They should be able to demonstrate knowledge of methodologies and the technical vocabulary of classical archaeology

**ANTH 340 Classical Archaeology: Greek Temple (3 Credit Hours)**

Refer to CLST 340

*Course equivalencies:* X-ANTH340/CLST340

**ANTH 342 Rise & Fall of Civilizations (3 Credit Hours)**

*Pre-requisites:* ANTH 101 or ANTH 104

This course examines the socio-cultural process that produced complex societies in the past, particularly the contrasting trajectories of Old World and New World civilizations. Emphasis is on the material manifestations of status differences, power relations, and ideological control.

*Outcomes:*

Students will appreciate the complicated dynamics that underwrite increasing socio-cultural differentiation and will understand the archaeological methods used to chart that differentiation through time

**ANTH 346 Biology of Women (3 Credit Hours)**

The biology of women at pivotal points in the lifespan, along with the biological changes that occur from one life stage to another. The interaction of society (e.g., medical field) with women at each of these points in time. Topics to be discussed include the evolution of sex and gender, gender differentiation and diversity, reproductive processes, disease, detection and treatment, and violence against women.

*Interdisciplinary Option:* Women & Gender Studies

*Course equivalencies:* BIOL346/WOST346/ANTH346/WSGS

**ANTH 348 Museum & Material Culture Research (3 Credit Hours)**

This course offers direct experience with anthropological research methods and analysis using material culture and archival holdings from the May Weber Ethnographic Study Collection. Grounded in object-based studies and using examples from the collection, this course will examine collecting contexts, formal and technical analyses, operational sequences, cultural contexts, and interpretation.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students gain knowledge of research techniques for working with museum-held objects while contributing to the permanent documentation and interpretation of the May Weber Ethnographic Study Collection through object research

**ANTH 353 Epidemics and Pandemics (3 Credit Hours)**

*Pre-requisites:* ANTH 101 or BIOL 101

This interdisciplinary course tracks how scientists from multiple disciplines have come together to understand and combat epidemics, such as Ebola, HIV, Zika, SARS, MERS, and COVID-19. From the molecular pathways underlying disease to the cultural contexts shaping public health responses, students will understand epidemics and pandemics from a biological and social perspective.

*Interdisciplinary Option:* Bioethics

*Outcomes:*

Students will be able to demonstrate understanding of the biological, epidemiological, clinical, and social aspects of key epidemics/pandemics; Students will develop critical thinking skills by using this information to develop locally-relevant public health recommendations

**ANTH 356 Bioanthropological Lab Work (1-3 Credit Hours)**

*Pre-requisites:* permission of department chairperson or instructor

Individualized opportunity to learn about and engage in the main laboratory methods used in bioanthropological research

*Outcomes:*

Students will gain detailed knowledge of the main bioanthropological lab methods

**ANTH 359 Paleopathology (3 Credit Hours)**

*Pre-requisites:* ANTH 101 or Instructor permission; Recommended: ANTH 326

This course introduces advanced students to the exploration of the history of human disease through the analysis of human skeletal remains.

*Interdisciplinary Option:* Forensic Science

*Course equivalencies:* X-ANTH359/BIOL359

*Outcomes:*

Students will have command of biological anthropological approaches towards the understanding of human disease and will be familiar with theoretical issues germane to the field of paleopathology, biases and ethical issues, and the role that disease has played throughout human history

**ANTH 360 Issues in Archaeology (3 Credit Hours)**

*Pre-requisites:* ANTH 101 or ANTH 104

Specific theoretical, methodological, and research problems in archaeology with focus on current research in the discipline. Topics include but are not restricted to: environmental archaeology; ethnoarchaeology and experimental archaeology; the study of prehistoric craft specialization, trade, demography, and urbanism.

*Outcomes:*

Students will be able to draw connections between contemporary archaeological method and theory and current research issues in anthropology

**ANTH 361 Issues Cultural Anthropology (3 Credit Hours)**

*Pre-requisites:* ANTH 100 or ANTH 102

The course is a vehicle for topics of particular interest to the instructor or an issue of contemporary relevance. It may be a trial run for a course later added to the official list.

*Outcomes:*

Students will be able to demonstrate how cultural anthropology is relevant to contemporary issues or how a problem can be structured around a cultural anthropological viewpoint

**ANTH 362 Issues in Biological Anthropology (3 Credit Hours)**

*Pre-requisites:* ANTH 101 or BIO 101

This course considers specific topics pertinent to the discipline of physical or biological anthropology.

*Outcomes:*

Students will master theoretical perspectives and current information pertinent to the specific issues covered in each specific course

**ANTH 362B Bioethics Minor Capstone: Anthropological Topics (3 Credit Hours)**

*Pre-requisites:* Two Science courses and two Ethics courses

This course number will only be used when ANTH 362 is tagged with the Bioethics Minor Capstone course.

*Interdisciplinary Option:* Bioethics

*Outcomes:*

Students will understand the connection between ethical and anthropological issues with regard to the special topic in anthropology

**ANTH 363 Issues in Linguistic Anthropology (3 Credit Hours)**

*Pre-requisites:* ANTH 208 or ANTH 231

This course focuses on a current research question or area within linguistic anthropology.

*Outcomes:*

Students will be able to demonstrate appropriate knowledge and application of methods and findings from aspects of linguistic anthropology pertinent to the specific topic of the course

**ANTH 365 Archaeology Lab Methods (3 Credit Hours)**

*Pre-requisites:* ANTH 101 or ANTH 104

Practicum in analysis techniques for common archaeological materials, such as lithics, ceramics, faunal and floral remains, and historic debris. Topics include transformation processes; classification techniques; data recording and analysis standardization; curation; and computerized strategies of data management and analysis.

*Outcomes:*

Students will be able to identify, describe, and classify basic archaeological materials and relate these analyses with traditional techniques of material fabrication and processing

**ANTH 366 Lithic Technology (3 Credit Hours)**

This course is a laboratory analysis of archaeological stone tools through experimentation and ethno-archaeology.

*Outcomes:*

Students will demonstrate an understanding of causes of variability in raw material procurement, manufacturing techniques, use wear, discard, recycling, methodological and theoretical considerations of artifact classification and strategies of data management and analysis

**ANTH 375 Archaeology of Early Greece (3 Credit Hours)**

Refer to CLST 375

*Course equivalencies:* X-CLST375/ANTH375

**ANTH 396 Internship in Anthropology (3-6 Credit Hours)**

*Pre-requisites:* Students must receive instructor permission prior to enrolling and must complete (with signatures) the Course Contract Form Enrollment is limited to Undergraduate Anthropology Majors/Minors.

This course is designed to enhance student engagement by facilitating internship experiences within the department or in museums, service-oriented organizations, businesses, and non-profit organizations. Experiential learning is combined with rigorous academic work. This course may serve, if appropriate, as a capstone experience.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will produce a research paper, project, proposal, or assessed piece that reflects the application and integration of anthropological theory, methods, or techniques, to the internship experience

**ANTH 396A Internship: Bioarchaeology & Forensic Anthropology (3 Credit Hours)**

This course is designed to enhance student engagement by facilitating internship experiences in forensic anthropology and bioarchaeology, working in collaboration with community partner organizations.

Experiential learning is combined with rigorous academic work. This course may serve, if appropriate, as a capstone experience. Instructor permission required.

This course satisfies the Engaged Learning requirement.

*Course equivalencies:* X-FRSC 390/ANTH 396A

*Outcomes:*

Students will produce a research paper, project, proposal, or assessed piece that reflects the application and integration of forensic-anthropological theory, methods, or techniques, to the internship experience

**ANTH 396M Internship: Museum Collections Management (3 Credit Hours)**

*Pre-requisites:* Instructor permission required

Through a 100-hour internship in the May Weber Ethnographic Study Collection on the Lakeshore campus, students will contribute to the ongoing professional management of a museum collection.

**ANTH 397 Directed Readings-Anthropology (1-3 Credit Hours)**

*Pre-requisites:* Permission of chairperson and faculty member  
Individualized readings in varied topics within anthropology.

*Outcomes:*

Students will gain detailed knowledge of the specific topic of their directed readings subject

**ANTH 398 Independent Study-Anthropology (1-3 Credit Hours)**

*Pre-requisites:* Permission of chairperson and faculty member  
Individualized program of independent study of anthropological problems and/or issues.

*Outcomes:*

Students will gain detailed knowledge of the specific study program they undertake

**ANTH 399 Fieldwork in Anthropology (1-6 Credit Hours)**

*Pre-requisites:* Permission of chairperson and faculty member  
Application of anthropological concepts and methods to a specific field situation under the supervision of a faculty member.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will learn field techniques and data recovery and analysis techniques pertinent to the specific nature of their field experience

## Arabic (ARAB)

**ARAB 101 Arabic I (3 Credit Hours)**

This course is designed for beginners and those with modest acquaintance to Arabic. Through a culturally rich context, it focuses on functional articulation of Modern Standard Arabic with a limited exposure to Damascene (Shaami) dialect.

*Interdisciplinary Option:* Arabic Language and Culture, Islamic World Studies

*Course equivalencies:* ARAB101/IWS101A

*Outcomes:*

Students will be able to write simple sentences, understand selected principles of basic grammar and vocabulary, and will be introduced to Modern Standard Arabic as well as to a modern spoken dialect; Students will learn aspects of Arab culture

**ARAB 102 Arabic 102 (3 Credit Hours)**

*Pre-requisites:* ARAB 101 completed with C- or higher

This course continues focusing on active functional use of Modern Standard Arabic and Damascene dialect to help students develop speaking, listening, reading comprehension, and writing skills in diverse sociocultural contexts. Students with equivalent preparation must be assessed for placement.

*Interdisciplinary Option:* Arabic Language and Culture, Islamic World Studies

*Course equivalencies:* X-ARAB102/IWS102A

*Outcomes:*

Students are expected to be able to sustain conversations on daily life topics, to comprehend and compose simple authentic multimodal texts, and integrate interdisciplinary knowledge of the Arab world (language, religion, history, geography, or cultures) through a project

**ARAB 103 Arabic 103 (3 Credit Hours)**

*Pre-requisites:* ARAB 102 completed with C- or higher

This course continues focusing on active functional use of Modern Standard Arabic and Damascene dialect in familiar topics reflecting the behavior of native speakers. Students are expected to reach low-mid intermediate proficiency levels. Students with equivalent preparation must be assessed for placement.

*Interdisciplinary Option:* Arabic Language and Culture, Islamic World Studies

*Course equivalencies:* ARAB103/IWS103A

*Outcomes:*

Students are expected to be able to initiate and sustain simple social interactions about self and immediate environment; Students will be able to comprehend and compose simple authentic multimodal texts and apply such interdisciplinary knowledge of the Arab world (language, religion, history, geography, or cultures) through a final project

**ARAB 104 Arabic 104 (3 Credit Hours)**

*Pre-requisites:* ARAB 103 completed with C- or higher

The course help students build an active learning solid foundation in the intermediate level of functional use of Arabic. Students are expected to learn how to own their learning process and engage critically in representations of self and others. Students with equivalent preparation must be assessed for placement.

*Interdisciplinary Option:* Arabic Language and Culture, Islamic World Studies

*Course equivalencies:* X-ARAB104/IWS104A

*Outcomes:*

Students are expected to be able to compose and comprehend more complex authentic multi modal texts in topics of relevance to student, investments and fields of study; They will articulate their integrative interdisciplinary knowledge of the Arab world through a final project

**ARAB 250 Advanced Composition And Conversation (3 Credit Hours)**

*Pre-requisites:* ARAB 104 or equivalent; Students' self-assessment is not sufficient for placement in an appropriate level of Arabic class

The focus of the course assignments is to connect classroom work and community-based service learning into a constructive coordinated dual relationship. Besides classroom language learning, students will complete 20 hours in community-based work at an organization of service to Arab and Muslim immigrants and refugees. Some readings may be in English.

*Interdisciplinary Option:* Arabic Language and Culture, Islamic World Studies

This course satisfies the Engaged Learning requirement.

*Course equivalencies:* ARAB250/IWS250A

*Outcomes:*

Students will synthesize classroom and community-based learning contexts to reflect on collective and individual explorations of concepts of civic engagement with Arab/Muslim communities; They will demonstrate awareness of self and community through learning portfolios and public presentations



**ARAB 251 Advanced Composition and Conversation II (3 Credit Hours)**

This course emphasizes the development of advanced Arabic speaking and writing skills and examines grammar and vocabulary in relation to advanced skill development. Conducted entirely in Arabic.

*Interdisciplinary Option:* Arabic Language and Culture, Islamic World Studies

*Course equivalencies:* X-ARAB251/IWS251A

*Outcomes:*

Students will be able to demonstrate advanced reading, writing, listening, and speaking skills in Arabic; Students will also be able to demonstrate knowledge of significant aspects of the Arab world and culture in relation to their major field of study

## Arts (ARTS)

**ARTS 200 Introduction to Teaching Artistry (3 Credit Hours)**

Introduction to teaching artistry with an emphasis on art education, art integration and community-based arts practices.

*Outcomes:*

Students will identify and describe the practice of teaching artistry, reflect on a direct experience with an art organization, and create a lesson plan

**ARTS 201 Grant Writing for the Arts (2 Credit Hours)**

Introduction to grant writing for the arts. The course concludes with a completed grant proposal.

*Outcomes:*

Students will identify how to find grants that support the arts and engage in the process of applying for a grant or other arts funding

**ARTS 397 Fieldwork in Arts Education (3 Credit Hours)**

Credit given for arts education work outside the university undertaken under the guidance professional arts educators. Students keep an hour and activity log and write reflective evaluative papers. Permission of the Department of Fine and Performing Arts Specific outcomes and credit hours assigned to be determined by the student in consultation with the Teaching Artistry Faculty Coordinator and the project supervisor

## Asian Studies (ASIA)

**ASIA 101 Explorations in Asian Studies (3 Credit Hours)**

This course introduces the histories and cultures of East, Southeast, and South Asia from early modern times to the present.

*Interdisciplinary Option:* Asian Studies, Global Studies

*Course equivalencies:* X-ASIA101/INTS202

**ASIA 130 Introduction to Martial Arts (3 Credit Hours)**

This course introduces the student to Chinese Wushu. Two forms of Wushu will be selected for in depth study each semester. Students will explore the origins of the sports studied and their importance to Chinese culture and philosophy while learning the specific physical techniques.

*Course equivalencies:* THTR130/ASIA130

*Outcomes:*

Students will improve their balance, flexibility and coordination while learning the basic moves of two forms of Wushu; They will develop a reference for appreciating the place of Wushu in Chinese culture and create a foundation for further Wushu training

**ASIA 152 Drawing China (3 Credit Hours)**

This is an introductory drawing course. There are no pre-requisites nor prior experience need to succeed in this course. Beijing is our laboratory and the topic of all class drawings.

*Course equivalencies:* FNAR152/ASIA152

*Outcomes:*

Students will be able to draw trees, buildings, automobiles, vegetables, human beings in real life situations and in perspective

**ASIA 160 The Crafts of China (3 Credit Hours)**

This course examines the artisan crafts of China historically and technically. The course explores how and why the crafts appeared, their historical trajectory and demonstrates how the crafts improved technically. Ceramics, Bronze Castings and Wood works will serve as prototypes. Students will undertake independent researches.

*Course equivalencies:* FNAR160/ASIA160

*Outcomes:*

Students will identify how the crafts of woodwork, bronze casting and ceramics evolved and how they are currently practiced in China; Students will articulate an understanding of the function of craft in Chinese culture as well compare and contrast it to the function craft in their own culture

**ASIA 167 Religions in China (3 Credit Hours)**

This course is a survey of various religions in China that may include, not only Confucianism and Taoism, but also Buddhism, Christianity, Islam, Judaism, Zoroastrianism, Manicheism and popular or "folk" religion. The course will consider the function of these various religions in the development of Chinese society and their significance in Chinese civilization from ancient mythology to contemporary practices and developments."

*Course equivalencies:* X-THE0167/ASIA167/INTS167

*Outcomes:*

Students will be able to demonstrate knowledge of the beliefs, practices, and institutions in varied contexts and historical periods in China, of various religions, both indigenous and "foreign

**ASIA 168 Sacred Texts of China (3 Credit Hours)**

Through the study of primary sacred texts of China (in translation), this class will provide a basic understanding of Chinese thought and its historical development. Interconnections among the various periods and different schools of Chinese philosophy such as Confucianism, Taoism, Buddhism and Neo-Confucianism will be demonstrated and discussed from ancient through the medieval and modern periods.

*Course equivalencies:* X-THE0168/ASIA168/INTS168

*Outcomes:*

Students will be able to demonstrate knowledge of the major Chinese sacred texts and teachings of various religious and philosophical traditions, and how they developed and interacted historically

**ASIA 169 Taoism (3 Credit Hours)**

Students will study the history and main ideas and practices of Taoism, meet the sages who wrote the Taoist texts, be introduced to the various schools of Taoist philosophy, and get a feel for what it means to practice Taoism today. The course will illustrate how religious Taoism established a relationship with Confucian thought and practice as well as how at each stage of its historical development, Taoism exerted a profound influence on Chinese politics, economy, culture, art, natural sciences, and social life.

*Course equivalencies:* X-THE0169/ASIA169/INTS169

*Outcomes:*

Students will be able to demonstrate knowledge of philosophical and religious Taoist beliefs, practices, and institutions in varied contexts and historical periods

**ASIA 191 Traditional Chinese Philosophy (3 Credit Hours)**

Students will investigate Chinese ancient philosophy in a way to let its own tendencies be sensed and appreciated. Topics include Confucianism, Mencius, Sunzi, Taoism, Legalism, Yin-Yang School, Tung Chung-shu, Chinese Buddhism and Neo-Confucianism. In addition, students learn about the relations among different schools or different thinkers in the same school. Comparisons between Chinese philosophies and western ones are encouraged.

*Course equivalencies:* X-PHIL191/ASIA191

**ASIA 192 Chinese Ethics and Asian Values (3 Credit Hours)**

This course offers an overview of the spirit of Chinese ethics, covering sacred and secular as well as intellectual and practical elements.

*Course equivalencies:* X-PHIL192/ASIA192/INTS192

**ASIA 193 Contemporary Chinese Philosophy (3 Credit Hours)**

Students will analyze the development of Chinese contemporary thought in its different stages: rejection of the tradition and its recent reevaluation.

*Course equivalencies:* X-PHIL193/ASIA193/INTS193

**ASIA 252 Peoples of China (3 Credit Hours)**

This class introduces China's cultural diversity and unity as a whole. It provides a general overview of cultural mappings in China, and a detailed study of significant ethnic minorities.

*Course equivalencies:* SOCL251/ASIA252/INTS251

*Outcomes:*

Students will gain the ability to perceive cultural phenomena in a comparative framework and understand cultural differences more deeply

**ASIA 263 Political and Social Movements in China (3 Credit Hours)**

This course examines historical and contemporary movements pursuing political, economic and social reforms in China. It studies both state-sponsored and voluntary movements.

*Course equivalencies:* SOCL263/INTS263

*Outcomes:*

Students will gain a deeper understanding of China's ongoing transformation, and will learn how to develop their own scholarly analysis of such social change

**ASIA 266 Development and Social Change in Modern China (3 Credit Hours)**

This course examines change and development in modern China from the late Qing period to the present, focusing on the movement from a planned economy to a market-based economy.

*Course equivalencies:* SOCL266/ASIA266/INTS266WSGS297

*Outcomes:*

Students will gain knowledge of China's economic development path, and will apply gender and/or class-based analysis to patterns of social change

**ASIA 272 Environment of China (3 Credit Hours)**

This course provides a systematic introduction to major environmental issues in the context of recent social and economic development in China

*Course equivalencies:* X-NTSC270/ASIA272/INTS270

**ASIA 292 Modern Chinese Fiction (3 Credit Hours)**

This course introduces selected fictional works by some of the most insightful writers of modern China. The course focuses on significant aspects of these works with an objective to enhance students' fascination with and skill in the reading and analysis of modern Chinese fiction. Knowledge of modern Chinese fiction will enable students to understand central aspects of 20th century Chinese culture.

*Course equivalencies:* X-LITR292/ASIA292/INTS290

*Outcomes:*

Students will be able to analyze literary texts of a particular historical period and write critical essays on works read in the course

**ASIA 297 Topics in Asia (3 Credit Hours)**

Special topics or new approaches of current interest to the instructor. This course may be used to fulfill the Asian minor requirement for a 300-level course in Asia-related topics. Students may repeat the course for credit when the topic changes.

*Interdisciplinary Option:* Asian Studies

*Outcomes:*

Students will gain familiarity with the topic; the ability to make connections between secondary and primary sources; and the capacity to think critically about the ways that historians have approached major issues

**ASIA 302 Discovering China Through Film (3 Credit Hours)**

This course will give an overview of major films produced in mainland China since 1949. Students will examine the genres of Chinese film better known in contemporary China and consider them a major source of reflection upon, and critique of, contemporary Chinese society and culture.

*Course equivalencies:* CMUN301/ASIA/INTS/AIFMS302

*Outcomes:*

All films chosen for the course will help inform students' understanding of modern China in terms of its material conditions and ideology

**ASIA 314 Modern Chinese Literature in Chinese (3 Credit Hours)**

This course is a survey of modern Chinese literature from 1918 to the present. It requires the close reading of famous Chinese writers and poets as well as some of the avant-garde writers. Students will have the opportunity to explore their own ideas of the aesthetic characteristics of the Chinese literature in the 20th century, as well as its historical and social background and learn about one of the important aspects of modern Chinese culture.

*Course equivalencies:* X-CHIN341/ASIA314/INTS341A

*Outcomes:*

Students will demonstrate knowledge of principal, genres, themes and forms of modern Chinese literature through analytical oral and written arguments

## Bioethics (BIET)

**BIET 395 Special Topics (3 Credit Hours)**

This interdisciplinary team-taught course examines a topic in bioethics from both scientific and ethical points of view. Topics may include: biotechnologies, concepts of race and gender, the environment, reproduction, and others.

*Interdisciplinary Option:* Bioethics

*Outcomes:*

Students will be able to understand the relevant scientific concepts, techniques, and methods, recognize ethical issues raised by the topic, and use ethical reasoning and ethical judgement (concepts, theories, methods) to discuss the topic

**BIET 395A Bioethics Minor Capstone: Philosophical & Anthropological Topics (3 Credit Hours)**

*Pre-requisites:* Two Science courses and two Ethics courses

This interdisciplinary team-taught course examines a topic in bioethics from both scientific and ethical points of view. Topics may include: biotechnologies, concepts of race and gender, the environment, reproduction, and others.

*Interdisciplinary Option:* Bioethics

*Outcomes:*

Students will be able to understand the relevant scientific concepts, techniques, and methods, recognize ethical issues raised by the topic, and use ethical reasoning and ethical judgment (concepts, theories, methods) to discuss the topic

**BIET 395B Bioethics Minor Capstone: Philosophical & Biological Topics (3 Credit Hours)**

*Pre-requisites:* Two Science courses and two Ethics courses

This interdisciplinary team-taught course examines a topic in bioethics from both scientific and ethical points of view. Topics may include: biotechnologies, concepts of race and gender, the environment, reproduction, and others.

*Interdisciplinary Option:* Bioethics

*Outcomes:*

Students will be able to understand the relevant scientific concepts, techniques, and methods, recognize ethical issues raised by the topic, and use ethical reasoning and ethical judgment (concepts, theories, methods) to discuss the topic

**BIET 395C Bioethics Minor Capstone: Philosophical and Chemical Topics (3 Credit Hours)**

*Pre-requisites:* Two Science courses and two Ethics courses

This interdisciplinary team-taught course examines a topic in bioethics from both scientific and ethical points of view. Topics may include: biotechnologies, concepts of race and gender, the environment, reproduction, and others.

*Interdisciplinary Option:* Bioethics

*Outcomes:*

Students will be able to understand the relevant scientific concepts, techniques, and methods, recognize ethical issues raised by the topic, and use ethical reasoning and ethical judgment (concepts, theories, methods) to discuss the topic

**BIET 395E Bioethics Minor Capstone: Philosophical & Environmental Science Topics (3 Credit Hours)**

*Pre-requisites:* Two Science courses and two Ethics courses

This interdisciplinary team-taught course examines a topic in bioethics from both scientific and ethical points of view. Topics may include: biotechnologies, concepts of race and gender, the environment, reproduction, and others.

*Interdisciplinary Option:* Bioethics

*Outcomes:*

Students will be able to understand the relevant scientific concepts, techniques, and methods, recognize ethical issues raised by the topic, and use ethical reasoning and ethical judgment (concepts, theories, methods) to discuss the topic

**BIET 396A Bioethics Minor Capstone: Theological & Anthropological Topics (3 Credit Hours)**

*Pre-requisites:* Two Science courses and two Ethics courses

This interdisciplinary team-taught course examines a topic in bioethics from both scientific and ethical points of view. Topics may include: biotechnologies, concepts of race and gender, the environment, reproduction, and others.

*Interdisciplinary Option:* Bioethics

*Outcomes:*

Students will be able to understand the relevant scientific concepts, techniques, and methods, recognize ethical issues raised by the topic, and use ethical reasoning and ethical judgment (concepts, theories, methods) to discuss the topic

**BIET 396B Bioethics Minor Capstone: Theological and Biological Topics (3 Credit Hours)**

*Pre-requisites:* Two Science courses and two Ethics courses

This interdisciplinary team-taught course examines a topic in bioethics from both scientific and ethical points of view. Topics may include: biotechnologies, concepts of race and gender, the environment, reproduction, and others.

*Interdisciplinary Option:* Bioethics

*Outcomes:*

Students will be able to understand the relevant scientific concepts, techniques, and methods, recognize ethical issues raised by the topic, and use ethical reasoning and ethical judgment (concepts, theories, methods) to discuss the topic

**BIET 396C Bioethics Minor Capstone: Theological and Chemical Topics (3 Credit Hours)**

*Pre-requisites:* Two Science courses and two Ethics courses

This interdisciplinary team-taught course examines a topic in bioethics from both scientific and ethical points of view. Topics may include: biotechnologies, concepts of race and gender, the environment, reproduction, and others.

*Interdisciplinary Option:* Bioethics

*Outcomes:*

Students will be able to understand the relevant scientific concepts, techniques, and methods, recognize ethical issues raised by the topic, and use ethical reasoning and ethical judgment (concepts, theories, methods) to discuss the topic

**BIET 396E Bioethics Minor Capstone: Theological & Environmental Science Topics (3 Credit Hours)**

*Pre-requisites:* Two Science courses and two Ethics courses

This interdisciplinary team-taught course examines a topic in bioethics from both scientific and ethical points of view. Topics may include: biotechnologies, concepts of race and gender, the environment, reproduction, and others.

*Interdisciplinary Option:* Bioethics

*Outcomes:*

Students will be able to understand the relevant scientific concepts, techniques, and methods, recognize ethical issues raised by the topic, and use ethical reasoning and ethical judgment (concepts, theories, methods) to discuss the topic

## Bioinformatics (BIOI)

**BIOI 300 Directed Readings (1-3 Credit Hours)**

Readings from the scientific literature in any focused area of bioinformatics agreed upon by the student and the supervising faculty member.

*Outcomes:*

Students will gain knowledge, journal reading expertise, and scientific writing skills

**BIOI 365 Exploring Proteins (3 Credit Hours)**

*Pre-requisites:* Bioinformatics Majors only and CHEM 361

Computational tools are essential for the prediction of protein structures, protein interactions, and structure based drug design. This class will introduce fundamental concepts in the field of computational protein biology.

*Outcomes:*

Students will obtain a general understanding of the principles of proteomics in addition to theoretical and practical experience with protein-based databases and bioinformatics tools to explore protein structure and function

**BIOI 395 Special Topics: Bioinformatics (1-3 Credit Hours)**

Special areas of bioinformatics outside the usual curriculum that vary each time the course is offered.

*Outcomes:*

Students will gain knowledge in and master a unique topic in bioinformatics

**BIOI 397 Bioinformatics Survey (1-4 Credit Hours)**

*Pre-requisites:* BIOL 101 and Instructor consent

This course trains students in conducting collaborative bioinformatics research as well reading and presenting scientific research.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Provides an alternative to individual research; reflects trends in the field for collaborative, group research

**BIOI 398 Bioinformatics Internship (1-4 Credit Hours)**

An independent research experience involving laboratory experiments, computer program development, or statistical analysis or any combination of these performed off-campus under the mentorship of a Bioinformatics scientist not affiliated with Loyola.

*Interdisciplinary Option:* Bioinformatics

This course satisfies the Engaged Learning requirement.

*Outcomes:*

All students will acquire skills to perform and report on independent research and to be intellectually responsible for evaluating their own and related work; Other outcomes will include at least one of the following: Experimental expertise, statistical evaluation of data sets, design and use of computational tools

**BIOI 399 Bioinformatics Research (1-4 Credit Hours)**

An independent research experience involving laboratory experiments, computer program development, or statistical analysis or any combination of these performed under the mentorship of one or more Bioinformatics faculty members.

*Interdisciplinary Option:* Bioinformatics

This course satisfies the Engaged Learning requirement.

*Outcomes:*

All students will acquire skills to perform and report on independent research and to be intellectually responsible for evaluating their own and related work; Other outcomes will include at least one of the following: Experimental expertise, statistical evaluation of data sets, design and use of computational tools

## Biology (BIOL)

**BIOL 101 General Biology I (3 Credit Hours)**

Fundamental principles of Biology including: introduction to the scientific method, basic biological chemistry; cell structure and function; energy transformations; mechanisms of cell communication; cellular reproduction; and principles of genetics.

*Interdisciplinary Option:* Bioethics, Bioinformatics, Forensic Science

*Course equivalencies:* ACBIO 101 / BIOL 101

*Outcomes:*

Students will be able to demonstrate understanding of the historical foundations, methodologies employed, general architecture and functioning of the cell - the basic unit of life

**BIOL 102 General Biology II (3 Credit Hours)**

*Pre-requisites:* BIOL 101 and 111

A continuation of BIOL 101. Fundamental principles of Biology including: evolutionary theory; general principles of ecology; study of plant structure and function; and comparative animal physiology.

*Interdisciplinary Option:* Bioethics, Forensic Science

*Course equivalencies:* ACBIO 102 / BIOL 102

*Outcomes:*

Students will be able to demonstrate an understanding of the fundamental principles of ecology and evolution, as well as the anatomy and physiology of representative plant and animal phyla

**BIOL 110 Liberal Arts Biology (3 Credit Hours)**

*Pre-requisites:* ENVS 101 or ENVS 137; No requirement for students with a declared major or minor in the Department of Anthropology, Department of Biology, Department of Chemistry, Department of Environmental Science, Department of Physics, Bioinformatics, Forensic Science or Neuroscience

Liberal Arts Biology is a second tier core course in the area of Scientific Literacy. It covers fundamental principles of biological sciences at a level for non-science majors. The focus of the course will vary depending on expertise of the instructor. All instructors will address the same fundamental principles.

*Knowledge Area:* Tier 2 Scientific Knowledge

*Outcomes:*

Students understand the scientific method, diversity of life, classification of organisms, cell structure and function, the chromosomal and molecular basis of inheritance, and organ systems of the human body

**BIOL 111 General Biology I Lab (1 Credit Hour)**

Complements General Biology I lecture material through observation, experimentation, and when appropriate, dissection of representative organisms. Physical and chemical phenomena of life as well as systematics and comparative anatomy and physiology of selected organisms will be examined.

*Interdisciplinary Option:* Bioethics, Forensic Science

*Course equivalencies:* BIOL 111/ACBIO 111

*Outcomes:*

Students will be able to demonstrate an understanding of the diversity of living organisms, including comparisons in cell structure and function, and comparative organismal evolution and ecology

**BIOL 112 General Biology II Lab (1 Credit Hour)**

*Pre-requisites:* BIOL 101 and BIOL 111

Complements General Biology II lecture material through observation, experimentation, and when appropriate, dissection of representative organisms. Physical and chemical phenomena of life as well as systematics and comparative anatomy and physiology of selected organisms will be examined.

*Interdisciplinary Option:* Bioethics, Forensic Science

*Course equivalencies:* ACBIO 112 / BIOL 112

*Outcomes:*

Students will be able to demonstrate an understanding of the diversity of living organisms, including comparisons in cell structure and function, and comparative organismal evolution and ecology

**BIOL 195 Special Topics in Biology (1-4 Credit Hours)**

Special Topics - Specific areas of study in the biological sciences.



**BIOL 205 Plant Biology Lec/Lab (4 Credit Hours)**

*Pre-requisites:* BIOL 102 and BIOL 112

Lecture and laboratory. Survey of the principles of botany including development and reproduction, structure, phylogeny and metabolism."

*Outcomes:*

Students will understand the basic morphology of plants; utilize morphology in the identification of local plants; understand the anatomy of plants; understand the relationship between anatomy and basic physiology; recognize that differences in physiological function allow different plants to be found in specific environments; appreciate the diversity of organisms called "plants"

**BIOL 210 Laboratory Techniques (2 Credit Hours)**

Lab sessions designed to prove a firm foundation in basic techniques and procedures, use of equipment and apparatus; keeping a lab notebook and in data collection and treatment.

*Outcomes:*

Students will acquire basic skills needed to work in a research laboratory

**BIOL 215 Ornithology (3 Credit Hours)**

An introduction to the biology of birds including the topics of anatomy, physiology, behavior, ecology and evolution. Includes some field trips to learn how to identify species and to collect behavioral information.

*Course equivalencies:* BIOL 215/ENVS 215

*Outcomes:*

Students will demonstrate an understanding of the biology of birds and be able to identify some of the commoner species of birds in our area

**BIOL 240 Psychology & Biology of Perception (3 Credit Hours)**

*Pre-requisites:* PSYC 101; For Biology majors: BIOL 102, BIOL 112, and PSYC 101 Introduction to the study of sensory systems, especially vision and audition, emphasizing historical development of the field, multi-disciplinary scientific approaches; recent research and theory on the mechanisms of seeing and hearing; and applications of research to real-world problems

BIOL 240 is cross-listed with PSYC 240.

*Interdisciplinary Option:* Neuroscience

*Course equivalencies:* X-PSYC240/BIOL240

**BIOL 242 Anatomy and Physiology I (4 Credit Hours)**

*Pre-requisites:* BIOL 102, BIOL 112, and [(CHEM 102 and 112) or CHEM 106 or CHEM 180]

Lecture, laboratory, and demonstrations. Organization of the human body from the cellular to the organismal level. Anatomy of body systems and their physiology related to 1) support and movement (integumentary, skeletal and muscular systems) and integration and control (nervous and endocrine systems). Dissection of representative organs is required.

*Outcomes:*

Students will be able to demonstrate knowledge of human anatomy at the microscopic and gross levels; Students will be able to correlate structure and function and will have a firm understanding of the organizing principle of human physiology, homeostasis and explain the role of the nervous and endocrine systems in its maintenance

**BIOL 243 Anatomy and Physiology II (4 Credit Hours)**

*Pre-requisites:* BIOL 242

Lecture, laboratory and demonstrations. A continuation of BIOL 242.

Anatomy of body systems and their physiology related to 1) regulation and maintenance (cardiovascular, lymphatic respiratory, digestive and urinary systems) and reproduction and development (male and female reproductive systems.) Dissection of representative organs is required. Prerequisites are BIOL 101, 102, 111, 112, BIOL 242 and CHEM 101, 102, 111, 112.

*Outcomes:*

Students will be able to demonstrate a comprehensive integrated knowledge and understanding of human anatomy and physiology at all levels

**BIOL 246 Ancient Human-Animal Interactions (3 Credit Hours)**

*Pre-requisites:* For BIOL-BS, BIOL-MINR, and BIOE-BS students: BIOL 102; for all others: ANTH 101, ANTH 104, BIOL 102, ENVS 101, or ENVS 137

This course focuses on human-animal interactions in the past and covers how humans have shaped the geographic ranges and behaviors of animals today. Questions on whether humans caused prehistoric animal extinctions and how animal domestication occurred will be explored using evidence from archaeological and paleontological records around the world.

*Course equivalencies:* X - ANTH 246 / BIOL 246

*Outcomes:*

Students will demonstrate an understanding of how archaeologists use empirical data to answer questions about prehistoric human-animal interactions

**BIOL 251 Cell Biology (3 Credit Hours)**

*Pre-requisites:* Biophysics majors ONLY: (BIOL 101 and 111) and (CHEM 102 or CHEM 106 or CHEM 160); All other majors: BIOL 102 and 112) and [(CHEM 102 and 112) or CHEM 106 or CHEM 160]

This course covers basic molecular and cellular studies of living organisms, emphasizing the relationships between subcellular structures and biochemical and physiological functions of cells.

*Outcomes:*

Students will become familiar with a wide range of cell biological principles and experimental approaches that led to important discoveries, gain an appreciation of the scientific method, and learn about the goals of modern cell biology research

**BIOL 252 Cell Biology Laboratory (1 Credit Hour)**

*Co-requisites:* BIOL 251

Pre or Laboratory experiences designed to explore relationships between structure and function of subcellular components.

*Outcomes:*

Working knowledge of a variety of techniques utilized in the cell biology laboratory

**BIOL 265 Ecology (3 Credit Hours)**

*Pre-requisites:* BIOL 102, BIOL 112, and (CHEM 102 or CHEM 106 or CHEM 160)

Relationships of organisms to their environment and to each other at the organism, population, community, and ecosystem levels.

*Outcomes:*

Students will understand the fundamental principles governing the interactions of organisms and their environment at the population, community, and ecosystem levels

**BIOL 266 Ecology Laboratory (1 Credit Hour)***Co-requisites:* BIOL 265

Pre or Laboratory and field experience designed to illustrate the principles of ecology and to give students experience in collecting, processing, and analyzing data. Field trips required.

*Course equivalencies:* BIOL266/ESP 266*Outcomes:*

Students will understand the methodology and use techniques in studying interactions of organisms to the environment and to each other at the organism, population, community, and ecosystem levels

**BIOL 280 Evolution of Human Disease (3 Credit Hours)***Pre-requisites:* BIOL 102

The complex interaction between humans and pathogens is explored throughout time, with particular emphasis on the role and impact of human biology, human culture, and changing environments.

*Interdisciplinary Option:* Bioethics*Course equivalencies:* X-ANTH280/BIOL280/BIET280*Outcomes:*

Students will be able to demonstrate understanding of the human immunological system, competing paradigms of human health, the processes and mechanisms of biological evolution, the pathogenesis of specific diseases, and the archaeological, paleopathological, paleodemographic, and historical data used to explore the evolution of disease

**BIOL 281 Evolution of the Human Diet (3 Credit Hours)***Pre-requisites:* For BIOL-BS, BIOL-MINR, and BIOE-BS students: BIOL 102; for all others: ANTH 101 or BIOL 102

This interdisciplinary course explores the evolution of the human diet utilizing a biocultural perspective. The complex interplay between our diet, biology, and culture is examined through energy acquisition, primate and hominin nutrition, the Agricultural Revolution and Industrialization on human health, food sustainability, and nutritional inequality through socioeconomic and gender lenses.

*Course equivalencies:* X-BIOL 281/ANTH 281*Outcomes:*

Students will identify the role food has played throughout the 6-7 million years of human evolution, and its significance in terms of climate change variability, evolutionary adaptations and contemporary inequality

**BIOL 282 Genetics (3 Credit Hours)***Pre-requisites:* For Bioinformatics and Biophysics Majors ONLY: BIOL 101; CHEM 102 or CHEM 106 or CHEM 160; For all other majors: BIOL 102, 112; CHEM 102 or CHEM 106 or CHEM 160

This course surveys principles and processes of genetic inheritance, gene expression, molecular biology, developmental, quantitative, population and evolutionary genetics.

*Interdisciplinary Option:* Bioinformatics, Forensic Science*Outcomes:*

Students will develop knowledge and awareness of the genetic bases of modern biology; Students will understand Mendelian principles of inheritance, chromosome and DNA structure and replication, gene expression, molecular biology, genetic bases of development and other biological processes, and quantitative, population and evolutionary genetics

**BIOL 283 Genetics Laboratory (1 Credit Hour)***Pre-requisites:* BIOL 282; Or corequisite: BIOL 282

Experiments and demonstrations to illustrate chromosomal structures and transmission, molecular biology, gene linkage, gene frequencies and variation.

*Interdisciplinary Option:* Bioinformatics, Forensic Science*Outcomes:*

Students will develop technical skills and ability to interpret data from a variety of types of genetics experiments

**BIOL 284 Behavioral and Cognitive Neuroscience (3 Credit Hours)***Pre-requisites:* For BIOL-BS, BIOL-MINR, and BIOE-BS students: BIOL 102 and NEUR 101; For all others: NEUR 101

Overview of topics and methodologies used in behavioral and cognitive neuroscience including: attention, learning and memory, language, reasoning, decision making, intelligence, emotions, social cognition, and consciousness. BIOL 284 is cross-listed with PSYC 382.

*Interdisciplinary Option:* Neuroscience*Course equivalencies:* X-PSYC 382/BIOL 284*Outcomes:*

Students will understand theories regarding brain mechanisms, underlying mental events and the technologies used for studying these mechanisms

**BIOL 296 Introduction to Research (1 Credit Hour)***Pre-requisites:* BIOL 102, 112; Permission of the instructor; Biology Core highly recommended

Students will begin reading the literature in the field of their mentor, conduct experiments designed by the mentor, and give a presentation on their work or studies, in preparation for upper level undergraduate research.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will develop critical reading skills and become familiar with basic lab techniques in the area of their mentor

**BIOL 302 General Microbiology Lec/Lab (4 Credit Hours)***Pre-requisites:* BIOL 251 and BIOL 282 Lecture and laboratory

Fundamental concepts of microbial life, physiology, and metabolism.

*Outcomes:* Students will learn the differences between the 3 domains of life and will comprehend the biochemistry, morphology, growth characteristics, structure and ecology of microbes**BIOL 303 Seminar in Neuroscience (1 Credit Hour)***Pre-requisites:* NEUR 101 with a grade of C- or better

The seminar introduces students to the interdisciplinary nature of modern neuroscience with an emphasis on the various neuroscience research activities that take place at Loyola University Chicago, and reviews current neuroscience research topics. BIOL 303 is cross-listed with NEUR 300.

*Interdisciplinary Option:* Neuroscience*Course equivalencies:* X-BIOL303/NEUR300*Outcomes:*

Students will demonstrate understanding of the interdisciplinary and multidisciplinary nature of modern neuroscience, and the research questions and experimental approaches used at the Lakeshore and Medical Center campuses

**BIOL 304 Intro to Developmental Biology (3 Credit Hours)**

*Pre-requisites:* BIOL 251

The analysis of developmental processes such as; fertilization, embryonic cleavage, cell determination and cell differentiation in selected species. Emphasis will be on experiments that reveal how these processes are controlled at the molecular and cellular levels.

*Outcomes:*

Students will become familiar with a wide range of developmental biology principles and experimental approaches that led to important discoveries, gain an appreciation of the scientific method, and learn about the goals of modern developmental biology research

**BIOL 307 Biology of Stem Cells (3 Credit Hours)**

*Pre-requisites:* BIOL 251 and BIOL 282

Stem cell research represents an exciting area of biology. This course will cover the early discoveries that launched the field of stem cell biology, the different types of stem cells that exist, potential therapeutic uses of stem cells, and the ethical implications of these discoveries and therapies.

*Outcomes:*

Students will be able to read primary research articles, describe different stem cell types and therapeutic uses, and consider the ethical implications of stem cell research and therapies

**BIOL 310 Categorical Data Analysis (3 Credit Hours)**

*Pre-requisites:* STAT 203 or STAT 335

An introduction to modern-day extensions of simple linear regression and ANOVA to the chi-square test including logistic regression and log-linear modelling techniques based on generalized linear models. Methods for matched-pair, small datasets, ordinal and multi-category data also discussed. This course focuses on applications using real-life data sets, and uses popular software packages.

**BIOL 313 Lab in Psychobiology (3 Credit Hours)**

*Pre-requisites:* (BIOL/STAT 335 or PSYC 304) and (NEUR 101, PSYC/BIOL 240, or PSYC 382/BIOL 284); OR for PSYC-BS and Cognitive/Behavioral Neuroscience majors: PSYC 306 and (NEUR 101, PSYC/BIOL 240, or PSYC 382/BIOL 284) Minimum grades of C- A 'hands on' experience with the instrumentation, measurement techniques and experimental designs used in electrophysiological studies of nervous system function. BIOL 313 is cross-listed with PSYC 311.

*Interdisciplinary Option:* Neuroscience

*Course equivalencies:* X-PSYC311/BIOL313

**BIOL 315 Introductory Immunology Lec/Lab (4 Credit Hours)**

*Pre-requisites:* BIOL 251 and BIOL 282

The study of the nature and molecular basis of immune responses. History and vocabulary of immunology; experiments involving immune recognition and destruction; theories regarding self-tolerance and immunological diseases.

*Outcomes:*

Students will learn the morphology and histology of the cells involved in an immune response, as well as how the cells develop and the molecular mechanisms used to recognize and eliminate non-self material; Students will become familiar with the evasion strategies of pathogens and the consequences associated with either hyper or hypo-responsiveness

**BIOL 316 Limnology Lec/Lab (4 Credit Hours)**

*Pre-requisites:* BIOL 265 and CHEM 102 or CHEM 106 or CHEM 180

An introduction to the structure and function of lake and stream ecosystems. The course includes the integration of physical, chemical, and biological parameters. Laboratories include weekend field trips to aquatic habitats.

*Outcomes:*

Students will learn methods of sampling and analyzing physical, chemical and biological factors in lake and stream ecosystems, and how to integrate these complex data sets to answer ecosystem process-level questions; Students will learn to evaluate the trophic status and health of a lake by the end of the course

**BIOL 317 Models of Human Disease (3 Credit Hours)**

This course explores approaches used to study human diseases from in vitro to in vivo levels and examines their strengths and weaknesses. Discussions will cover historical experiments and cutting-edge research to learn about the techniques used to generate data and how to interpret the results.

*Outcomes:*

Students will gain knowledge about human diseases and techniques used to model aspects of those diseases in the laboratory

**BIOL 318 General Virology (3 Credit Hours)**

*Pre-requisites:* BIOL 251 & BIOL 282

This course covers the molecular details of viral infection and the diverse strategies used by these pathogens to invade cells and avoid immune clearance. The focus will be on mammalian viruses of biomedical relevance.

*Course equivalencies:* BIOL 318 / BIOL 218

*Outcomes:*

Students will be able to demonstrate detailed understanding of basic viral structure, basic viral replication/infection cycles, and specific examples of viruses and their infection strategies

**BIOL 319 Evolution (3 Credit Hours)**

*Pre-requisites:* BIOL 282; BIOL 265 recommended

This course focuses on analysis of processes and patterns of evolution. Topics include population genetic principles, fossil patterns and geologic ages, phylogenetic analysis of relationships of species, experimental approaches to evolutionary questions, and evolutionary perspectives on human biology and relationships.

*Outcomes:*

Students will develop knowledge and awareness of evolutionary processes and patterns, the evidence for them, and how evolutionary hypotheses are tested experimentally; They will develop an appreciation of the primary literature through reading and discussing research articles

**BIOL 320 Animal Behavior (3 Credit Hours)**

*Pre-requisites:* ANTH 101 or ANTH 103; or BIOL 102 & BIOL 112

This course examines the biological basis of animal behavior including function and evolution of behavior patterns. Mechanisms and the adaptive significance of behaviors are examined and analyzed. BIOL 320 is cross-listed with ANTH 320.

*Interdisciplinary Option:* Neuroscience

*Course equivalencies:* X-ANTH320/BIOL320/ESP 320

*Outcomes:*

Students will have an understanding of both proximate and ultimate causes of a broad array of behaviors in animals and their implications for the life histories of those animals

**BIOL 321 Great Transitions in Vertebrate History (3 Credit Hours)***Pre-requisites:* BIOL 265

The major vertebrate groups-fish, amphibians, reptiles, birds, and mammals-arose through great transitions in size and form. These transitions opened up previously inaccessible habitats for those groups to radiate throughout, creating the remarkable diversity we observe today. In this class, students will learn about the major transitions that occurred in vertebrate history within the context of Earth's geological history. Students will also learn about the adaptive changes in anatomy and life history that have allowed those radiations to successfully radiate in those habitats. Students will also learn about species whose unique attributes allow them to occupy the most extreme habitats on earth, such as the deep sea, arctic, and high elevation habitats.

*Outcomes:*

Learn the major radiations of vertebrates and their evolutionary relationships, the general characteristics of the major organ systems in those radiations, the major evolutionary transitions that occurred during vertebrate history, and how changes in ecology, life history, and anatomy change during organismal evolution

**BIOL 323 Comparative Anatomy Lec/Lab (4 Credit Hours)***Pre-requisites:* BIOL 251, BIOL 282

A study of homologous systems and vertebrate phylogeny in both lecture and lab.

*Outcomes:*

Students will understand the evolutionary relationships and processes that are involved in the development of vertebrate anatomy

**BIOL 325 Primatology-Behavior & Ecology (3 Credit Hours)***Pre-requisites:* ANTH 101 or any 100-level Biology course

This course examines primate behavior and ecology from a comparative and evolutionary perspective. Students will be introduced to the diversity across taxonomic groups within the Order Primates. Through class discussion and observation, students will explore key issues in primate studies. Students will develop and apply skills in primate observation.

*Course equivalencies:* X-ANTH325/BIOL325/ESP 325*Outcomes:*

Students will be able to describe the taxonomic diversity of non-human primates and explain the impact of biological, evolutionary, and ecological factors on primate behavior

**BIOL 326 Human Osteology Lec/Lab (4 Credit Hours)**

This course focuses on developing a deep understanding of the human skeleton and ways in which biological anthropologists and forensic anthropologists use this knowledge to explore human biological diversity. Through hands-on exercises and class discussion, students will build analytical skills that are foundational to many techniques used by professionals and will appreciate the complex ethical considerations inherent to the fields of biological and forensic anthropology. *Pre-requisites:* BIOL 102 and BIOL 112; ANTH 101 or ANTH 103.

*Interdisciplinary Option:* Forensic Science*Course equivalencies:* X-ANTH326/BIOL326*Outcomes:*

Students will be able to demonstrate superior knowledge of skeletal anatomy, analyses of skeletal remains from archaeological contexts, and apply current techniques designed to understand and explore human variation, stature, ancestry, age-at-death, sex, and pathological conditions

**BIOL 327 Wetland Ecology (4 Credit Hours)***Pre-requisites:* BIOL 265

An introduction to the study of wetlands habitats. This course includes discussion of physical and chemical factors, biota, production and community dynamics. Laboratories include several field trips to regional wetland habitats.

*Course equivalencies:* BIOL327/ESP 327*Outcomes:*

Students will understand the functioning of wetlands, become aware of the variety of wetlands and become familiar with wetland biota, especially wetland plants

**BIOL 328 Conservation Biology (3 Credit Hours)***Pre-requisites:* BIOL 265

This course explores species diversity, natural and human induced extinctions, environmental ethics, and conservation practices being developed at the population, community, and ecosystem levels.

*Course equivalencies:* X-BIOL328/ESP 330*Outcomes:*

Students will be able to describe conservation strategies being used by institutions around the world and understand the ecological theory that supports those strategies

**BIOL 329 Winter Ecology (3 Credit Hours)***Pre-requisites:* BIOL 265 or permission of instructor

The goal for Winter Ecology is to teach you about ecosystems in winter by immersing you in the winter environment at LUREC during J-term. Topics include the habitats on, in, and under snow, the morphological, physiological, life cycle modifications of temperate plants, and the winter adaptations of birds.

*Course equivalencies:* X-ENVS 319/BIOL 329*Outcomes:*

Students will gain understanding of habitats and organisms present during winter in temperate ecosystems and gain experience with field techniques employed when studying these ecosystems

**BIOL 330 Global Change Biology (3 Credit Hours)***Pre-requisites:* BIOL 265 or ENVS 280

Human activities are changing our planet to such an extent that scientists have proposed we are in a new geological epoch, the 'Anthropocene'. Through lectures, discussions, and group projects we will examine key elements of global change including biodiversity loss, land-use alterations, climate change, and pollution.

*Outcomes:*

Learn global element cycles that drive biological processes; Read, critique, and discuss primary scientific literature

**BIOL 335 Intro to Biostatistics (3 Credit Hours)**

*Pre-requisites:* BIOL 102, MATH 132 or MATH 162 (as pre-requisite or co-requisite) or MATH 162A; Students may take MATH 162 as a prerequisite for STAT/BIOL 335 or take it concurrently as a corequisite with STAT/BIOL 335; For Bioinformatics Majors: only BIOL 101, MATH 132 or MATH 162 (as pre-requisite or co-requisite) or MATH 162A

An introduction to statistical methods used in designing biological experiments and in data analyses. Topics include probability and sampling distribution, designed biological experiments and analysis of variance, regression and correlation, stochastic processes, and frequency distributions. Computer laboratory assignments with biological data.

*Interdisciplinary Option:* Forensic Science*Course equivalencies:* X-BIOL335/STAT335



**BIOL 336 Advanced Biostatistics (3 Credit Hours)**

*Pre-requisites:* STAT 203 or STAT 335

This course provides an overview of advanced topics in applied statistics with particular application in biology and medicine, including the interpretation of Minitab, SAS and S-Plus computer output.

*Course equivalencies:* X-STAT336/BIOL336

*Outcomes:*

Students interested in applied statistical methods will obtain skill in experimental design, linear regression, categorical data analysis and logistic analysis, nonlinear regression, bioassay and drug synergy methods, as well as multivariate and survival statistical methods

**BIOL 337 Quantitative Methods in Bioinformatics (3 Credit Hours)**

*Pre-requisites:* STAT 203 or STAT 335

This course develops the mathematical and statistical methods necessary to analyze and interpret genomic and proteomic data, including signal analysis, sequence alignment methods, data-base search methods useful in bioinformatics and data mining.

*Interdisciplinary Option:* Bioinformatics

*Course equivalencies:* XSTAT337/BIOL337/BIOL337

*Outcomes:*

Students will obtain the quantitative skills used in BLAST, including inference, stochastic processes and hidden Markov models, random walks, microarray analysis and biological sequence analysis

**BIOL 340 Natural History of Belize (3 Credit Hours)**

This Study Abroad field course is designed to build on the foundations learned in Ecology, Environmental Science, and Anthropology classes by examining the biodiversity and tropical ecosystems of Belize, by exploring the cultural traditions of some of its peoples, particularly the Mayans; and learn how local communities are involved in protecting and sustaining ecological and natural sites through community based conservation and sustainability practices Enrollment Conditions: For Environmental Science or Environmental Studies Majors/Minors: ENVS 137 For Biology Majors/Minors: BIOL 102 & 112 For Anthropology or International Studies Majors/Minors: Junior or Senior Standing

*Course equivalencies:* X - ENVS 340 /BIOL 340

*Outcomes:*

Provide a working understanding of the structure, function, and ecology of tropical ecosystems; their importance to local communities; and the social dimensions of environmental issues, especially those related to justice

**BIOL 341 Histology Lec/Lab (4 Credit Hours)**

*Pre-requisites:* BIOL 251 and BIOL 282

This course examines the microscopic anatomy of the four basic adult tissue types and how they are arranged and utilized in the construction of the major vertebrate organ systems.

*Outcomes:*

The major learning objectives for this course are (1) to become familiar with the gross and microscopic anatomy of cells, tissues and organs and (2) to understand how these anatomical features correlate with specific physiological functions

**BIOL 342 Human Anatomy (4 Credit Hours)**

*Pre-requisites:* BIOL 242, BIOL 243, BIOL 251, BIOL 282; CHEM 222 or CHEM 224 or (CHEM 240 pre-req and CHEM 260 co-req)

A mixed lecture and laboratory course providing an in-depth look at the human body at the level of gross anatomy.

*Interdisciplinary Option:* Forensic Science

*Outcomes:*

Students will acquire an advanced understanding of the structure and relationships of major organ systems in the human body

**BIOL 344 Microbial Evolution and Human Well-being (3 Credit Hours)**

*Pre-requisites:* BIOL 282

The course explores the many ways, both positive and negative, that the evolution of bacteria, viruses, and other microbes affects humans. Topics include infectious disease, the human microbiome, food production, and environmental microbes. The course is centered around reading and analyzing primary literature.

*Outcomes:*

Students will apply fundamental evolutionary principles to microbes, understand the broad relevance of microbial evolution to human life, and read and communicate about primary literature on the topic

**BIOL 346 Biology of Women (3 Credit Hours)**

This course focuses on the anatomy and physiology of women at different and critical times in their life span. This course also addresses social issues that effect women at different points in their life. Topics include the evolution of sex, gender differentiation, and reproduction.

*Interdisciplinary Option:* Women & Gender Studies

*Course equivalencies:* BIOL346/WOST346/ANTH346/WSGS

*Outcomes:*

Students will learn about the biology of the female system, and how it changes with age; Students will also learn through discussions and guest lectures the interplay between society, medicine and gender

**BIOL 347 Bird Conservation and Ecology (3 Credit Hours)**

*Pre-requisites:* ENVS 137 or BIOL 102

This engaged-learning course provides an introduction to the theory and practice of avian conservation, ecology and management. Field trips for viewing birds in the wild, observing behavior and collecting data on habitat assessments are highlighted. Students participate in a community service project to gather data for avian conservation and management.

*Course equivalencies:* X-ENVS 267/BIOL 347

*Outcomes:*

Students will become skilled in critical reasoning and some bird monitoring techniques, and demonstrate an understanding of the many facets of bird conservation

**BIOL 348 Field Ornithology (3 Credit Hours)**

*Pre-requisites:* ENVS 280 & ENVS 286 or BIOL 265 & BIOL 266 (BIOL 215 recommended but not required)

Field ornithology is an intensive 3-week engaged-learning course at the Loyola University Retreat and Ecology Campus during the peak of the migratory season intended to provide an introduction to the theory and practice of field ornithology. Emphasis will be on field identification and song recognition, census techniques, and avian behavior.

*Course equivalencies:* X- ENVS 369/BIOL 348

*Outcomes:*

Students will become skilled in critical reasoning, field techniques, and scientific investigation that demonstrate an understanding of knowledge and techniques used in field ornithology

**BIOL 349 Conservation and Sustainability of Neotropical Ecosystems (3 Credit Hours)**

This course provides an introduction to conservation ecology in Neotropical ecosystems via classroom sessions and experiential learning activities during a Spring-Break field trip to Belize. Students will gain experience in environmental monitoring and biological survey methods. Ecosystems studied: coral reefs, mangrove forests, subtropical rain and dry forests, savannas, rivers, wetlands. Enrollment Conditions: For Biology Majors/Minors: BIOL 265; For Environmental Science Majors: ENVS 280

*Course equivalencies:* X- ENVS 345/ BIOL 349

*Outcomes:*

Students will gain an understanding of tropical climates, neotropical terrestrial/aquatic ecosystems and applied conservation and environmental practices such as nature reserve design and management, community-based resource management, ecotourism, and ecoagriculture

**BIOL 350 Vertebrate Physiology (3 Credit Hours)**

*Pre-requisites:* BIOL 251, BIOL 282, and (CHEM 180 or CHEM 102 or CHEM 106)

This is an introduction to the physiology of marine, freshwater, and terrestrial vertebrates. Understanding how physiological concepts are manifested by animals facing different environmental challenges is emphasized. Topics to be covered include metabolism and energy balance, nervous and endocrine function, respiration, circulation, water balance and ionic regulation, and excretion.

*Outcomes:*

Compare and contrast how various vertebrates utilize major organ systems to maintain homeostasis; Describe how common physiological principles are manifested through vertebrates' adaptation to their environments

**BIOL 351 Sleep/Circadian Rhythms (3 Credit Hours)**

*Pre-requisites:* BIOL 251, BIOL 282, NEUR 101

We will cover circadian rhythms one very prominent circadian-regulated behavior: sleep. We will investigate these topics at several different levels, spanning from cellular and molecular mechanisms to systems and behavioral approaches, and finally will look at pathologies of these systems that lead to human disorders.

*Interdisciplinary Option:* Neuroscience

*Outcomes:*

Students will become familiar with a variety of model systems used to study circadian rhythms, and learn how to critically read primary literature and lead discussions of this reading

**BIOL 352 Neurobiology of Feeding in Health and Disease (3 Credit Hours)**

*Pre-requisites:* NEUR 101, BIOL 251

Multiple interconnecting systems, coupling the brain with the rest of the body, signal the need to consume food and when to stop. The overall aim of the course is to understand what drives us to eat and how dysregulation within these brain circuits underlies the contemporary obesity crisis.

*Outcomes:*

By completing this course, students will achieve an advanced understanding of the fundamental principles that govern the brain's control of energy homeostasis

**BIOL 353 Natural History of Vertebrates (4 Credit Hours)**

*Pre-requisites:* BIOL 265

The objective of the course is to provide an in-depth study of the vertebrates in the Midwestern U.S. Topics will include the origin and evolution of vertebrates, and their ecology, behavior and specializations. The lab will focus on identification of vertebrate taxa and learning wildlife sampling techniques.

*Outcomes:*

Understand specifics of ecology, behavior, life history, evolution and conservation of all vertebrate taxa; Read, analyze, interpret, and discuss peer-reviewed literature

**BIOL 354 Mammalian Reproduction (3 Credit Hours)**

*Pre-requisites:* BIOL 251

Anatomy and physiology of male and female reproductive systems, fertilization, implantation, pregnancy, and birth; immunological aspects of reproduction.

*Outcomes:*

Students will understand structure/function relationships in reproductive biology and how reproductive systems are regulated at cellular levels

**BIOL 355 Parasitology Lec/Lab (4 Credit Hours)**

A study of animal parasites, their distribution, structure, adaptations, life cycles, and host relationships.

*Outcomes:*

Students will learn to recognize the major groups of animal parasites, be able to explain their life cycles and describe the mechanisms that hosts use to ward off parasite infestation

**BIOL 356 The Evolution of Animal Sex (3 Credit Hours)**

*Pre-requisites:* BIOL 251 and BIOL 282

Among animals, sex cannot be simplified down to X's and Y's, or even males and females. Sex is diverse and dynamic. The class will discuss modern research around three themes: 1) sexual differentiation, 2) animal weapons and ornaments, and 3) reproduction and mating systems.

*Outcomes:*

Students will gain a deeper appreciation of the sexual diversity among animals at genetic, physiological, morphological and behavioral levels

**BIOL 357 Neural Disease, Degeneration, and Regeneration (3 Credit Hours)**

*Pre-requisites:* BIOL 251, BIOL 282, NEUR 101

This course offers an overview of cellular and molecular mechanisms underlying common neurodegenerative disorders. Mechanisms of neuronal cell death and application of stem cells in CNS regeneration will also be covered. Students will learn by reading assigned background materials and research articles, and participating in class discussions.

*Interdisciplinary Option:* Neuroscience

*Outcomes:*

Students will understand current advances of genetic, developmental, molecular, and cellular mechanisms underlying the neurodegenerative diseases; Students will also learn how disease mechanisms affect neural function, cognition, and behavior

**BIOL 358 Developmental Neurobiology (3 Credit Hours)**

*Pre-requisites:* BIOL 251, BIOL 282, NEUR 101

This course focuses on cellular and molecular underpinnings of the development of neuronal features of the nervous system. Topics include neural induction and subsequent differentiation events, regulation of neuronal survival, axon guidance, target selection, and synaptogenesis.

*Interdisciplinary Option:* Neuroscience

*Outcomes:*

Students will become familiar with principles of neural development and the studies that led to those principles; Students will also learn how to critically read primary research papers and present these papers to the class

**BIOL 359 Paleopathology (3 Credit Hours)**

*Pre-requisites:* BIOL 251 and ANTH 326 or BIOL 326

Normal bone tissue and normal bone alterations and the impact of various disease processes on skeletal tissue. Students will be taught to assess and interpret patterns of human disease in processual rather than typological terms.

*Course equivalencies:* X-ANTH359/BIOL359

*Outcomes:*

Students will have command of biological anthropological approaches towards the understanding of human disease and will be familiar with theoretical issues germane to the field of paleopathology, biases and ethical issues, and the role that disease has played throughout human history

**BIOL 360 Field Biology (3 Credit Hours)**

*Pre-requisites:* BIOL 265 and permission of chair

Ecological study of an area in North America outside Midwest. Includes a field trip to a specific region. Trip is at student expense."

*Outcomes:*

Students will become familiar with an ecosystem outside the Chicago Region; gain a first-hand understanding of the interrelationships of living things and their environment; develop a loving appreciation of "wilderness

**BIOL 362 Neurobiology (3 Credit Hours)**

*Pre-requisites:* NEUR 101 and BIOL 251

The purpose of this course is to introduce major principles and concepts of modern neurobiology. An emphasis is placed upon an understanding of the electrophysiology of the neuron and the manner in which groups of neurons are organized into functional nervous systems subserving sensory, motor or integrative functions.

*Interdisciplinary Option:* Neuroscience

*Outcomes:*

Student will gain a solid foundation in nervous system structure and function

**BIOL 363 Entomology Lec/Lab (4 Credit Hours)**

*Pre-requisites:* BIOL 265

An introductory course that covers the morphology, metamorphosis, classification and biology of the major insect groups. The laboratory includes dissection and the use of analytical keys and figures to identify insect taxa. Field trips and student collections add to the laboratory experience.

*Outcomes:*

Students will learn to identify major insect groups in the field and in the laboratory; They will also learn to distinguish immature insects from adult insects and to recognize the numerous beneficial insects as well as the small number that are detrimental

**BIOL 365 Writing a Scientific Manuscript (3 Credit Hours)**

*Pre-requisites:* BIOL 102, BIOL 112

A Process from Data Collection to Writing a Scientific Manuscript. This course is designed for upper level students interested in practicing the scientific process; including hypothesis construction, experimental design, data collection, and writing of a scientific paper detailing Introduction, Methods, Results and Discussion.

*Outcomes:*

Students would learn to develop hypotheses, design experiments based on those hypotheses, analyze data, and learn to construct and peer-review a scientific manuscript

**BIOL 366 Cell Physiology & Biochemistry (3 Credit Hours)**

*Pre-requisites:* Bioinformatics majors: CHEM 224 or CHEM 222 or

(CHEM 240 pre-req and CHEM 260 co-req); All other majors: BIOL 251 & CHEM 224 or CHEM 222 or (CHEM 240 pre-req and CHEM 260 co-req)

An introduction to biochemical principles as they relate to major biological themes such as the relationship between cellular structure and function, metabolism, thermodynamics, regulation, information pathways, and evolution. BIOL 366 is cross-listed with CHEM 361.

*Interdisciplinary Option:* Forensic Science

*Course equivalencies:* X-BIOL366/BIOL366/CHEM361

*Outcomes:*

Students will study the basic concepts of biochemistry and will understand how thermodynamics govern biochemical processes; Catalytic strategies, as well as the major pathways of both anabolism and catabolism, will also be learned

**BIOL 366L Cell Physiology & Biochemistry Lab (3 Credit Hours)**

Introduction to modern techniques and instrumentation with an emphasis on cellular metabolism and protein biochemistry including purification and quantitation methods and enzyme kinetics.

*Interdisciplinary Option:* Forensic Science

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Proficiency in performing a variety of biochemical assays and the ability to write up results as a formal lab report

**BIOL 367 Bioimaging (4 Credit Hours)**

*Pre-requisites:* BIOL 251 and BIOL 282; PHYS 112 or PHYS 114; Instructor Permission

This course focuses on light microscopy but also includes a section on Electron Microscopy. Topics include basic optical theory, history, sample preparation, microscope operation, digital image acquisition and analysis.

*Outcomes:*

Students will become adept at producing publication quality images using a variety of imaging techniques; Students will also learn how to correctly interpret results and properly present their data

**BIOL 368 Plant Ecology Lec/Lab (4 Credit Hours)**

*Pre-requisites:* BIOL 265

Focuses on plant population dynamics; plant-animal interactions, including herbivory, pollination, dispersal; plant community dynamics, such as the processes of succession; and the effect of global climate on the distribution of major vegetation types. The laboratory is divided between weekend field trips to local forests, prairies and bogs, and laboratory studies.

*Outcomes:*

Students will achieve familiarity with major vegetation types and especially with local vegetation and natural areas; understand the dynamics of plant communities; understand the nature of research in plant ecology and gain familiarity with the primary literature; understand environmental issues as they relate to plant ecology

**BIOL 369 Invertebrate Biology (3 Credit Hours)**

Broad survey of invertebrates including morphology, physiology, ecology, evolution, and systematics.

**BIOL 370 Ichthyology Lec/Lab (4 Credit Hours)**

*Pre-requisites:* BIOL 265

Lecture and laboratory and/or field trips. Systematics, phylogeny, anatomy, physiology, behavior, functional morphology and ecology of fishes. Includes field collecting trips in Lake Michigan and local streams and lakes and individual projects/research papers.

*Outcomes:*

Students will develop a detailed understanding of a range of topics in fish biology, with special emphasis on evolutionary relationships

**BIOL 373 Laboratory in Neuroscience I (4 Credit Hours)**

*Pre-requisites:* NEUR 101, BIOL 251; and students must be either a Molecular/Cellular Neuroscience Major, a Cognitive/Behavioral Neuroscience major, or a Neuroscience Minor

Students will be trained in various anatomical, physiological, behavioral, and neurobiological modeling techniques used to study the nervous system and the brain in the laboratory. This course is cross-listed as NEUR 301 & PSYC 388.

*Interdisciplinary Option:* Neuroscience

*Course equivalencies:* X-NEUR301/PSYC388/BIOL373

*Outcomes:*

Students will demonstrate understanding of several research designs and methodologies of use in neuroscience research and will gain experience with basic neuroscience laboratory techniques

**BIOL 375 Aquatic Insects Lecture & Laboratory (4 Credit Hours)**

*Pre-requisites:* BIOL 265

This course focuses on the classification and ecology of insects that have become fully or partially adapted to the aquatic environment. Emphasis will be on the ecology and biology (behavior, physiology and phylogeny) of aquatic insects. The course includes laboratory field trips to local and upper Midwest aquatic habitats.

*Outcomes:*

Students will acquire an understanding of the ecological relationships between aquatic insects and their physical and biological environment, including their interactions with humans

**BIOL 376 Seminar in Molecular/Cellular Neuroscience (3 Credit Hours)**

*Pre-requisites:* BIOL 282 and BIOL 362

This lecture/discussion will span synaptic plasticity, modern approaches to studying neural circuits, and the therapeutic potential of neural stem cells. Students become familiar with principles of molecular/cellular approaches to the study of the nervous system through review articles and the primary literature.

*Interdisciplinary Option:* Neuroscience

*Outcomes:*

Students will become familiar with principles of molecular/cellular approaches to the study of the nervous system; Students will also learn how to evaluate primary literature

**BIOL 377 Molecular Pathogenesis (3 Credit Hours)**

Introduction to the molecular mechanisms of disease pathology and therapeutic and control strategies, using a particular disease as model.

*Outcomes:*

Students will be able to explain the molecular basis for particular disease symptoms, understand therapeutic strategies, and use experimental results to form conclusions about disease molecular mechanisms

**BIOL 378 Dental Anthropology (0 Credit Hours)**

*Pre-requisites:* ANTH 101 or any 100-level Biology course

This course examines teeth with an anthropological perspective. By using evolution by natural selection as our theoretical framework, students will learn dental anatomy, morphology, and variation. The course then focuses on embryology, dental development and eruption, and the biocultural ways humans use their teeth.

*Course equivalencies:* X- ANTH 327/BIOL 378

*Outcomes:*

Students will gain factual knowledge of teeth from an evolutionary perspective and will develop specific hands-on skills needed by dental anthropologists, dentists, and oral biologists including dental molding, casting, and wear scoring

**BIOL 378B Biological Topics for Bioethics Minor Capstone (3 Credit Hours)**

*Pre-requisites:* Two prior science courses and two prior ethics courses required

The interdisciplinary team-taught Bioethics capstone course examines a topic in bioethics from both scientific and ethical points of view. Topics may include bio-technologies, concepts of race and gender, the environment, reproduction, and others. This course number provides an elective for Biology students when the Bioethics capstone's topic is biological.

*Interdisciplinary Option:* Bioethics

*Outcomes:*

Students will understand the connection between ethical and biological issues with regard to the special topic in biology

**BIOL 379B Biological Topics for Bioethics Minor Capstone (3 Credit Hours)**

*Pre-requisites:* Two prior science courses and two prior ethics courses

The interdisciplinary team-taught Bioethics capstone course examines a topic in bioethics from both scientific and ethical points of view. Topics may include biotechnologies, concepts of race and gender, the environment, reproduction, and others. This course number provides an elective for Biology students when the Bioethics capstone's topic is biological.

*Interdisciplinary Option:* Bioethics

*Outcomes:*

Students will understand the connection between ethical and biological issues with regard to the special topic in biology

**BIOL 380 Genetics and Evolution of Development (3 Credit Hours)**

This course explores the evolution of the embryo and the patterns of gene regulation and morphogenesis that drive early development. Topics include evolution of nervous system patterning, shared human, mouse and frog regulatory systems and evolution of human genetic syndromes.

*Outcomes:*

Students will master the stages and regulation of development in a number of organisms through use of primary literature; Evidence of their mastery will be seen through grant writing exercises, in class presentations and conventional exams



**BIOL 381 Epigenetics (3 Credit Hours)**

*Pre-requisites:* BIOL 251 and BIOL 282; CHEM 222 or CHEM 224 or (CHEM 240 pre-req and CHEM 260 co-req)

This course will introduce students to epigenetic mechanisms operating throughout life, which include chromatin regulation, DNA methylation, histone modifications and non-coding RNAs. Students will gain an appreciation of how different cell types can maintain drastically different gene expression patterns yet share the exact same DNA sequences.

*Outcomes:*

Students will understand epigenetic mechanisms, apply insights gained to evaluate the effect of epigenetic changes in development, disease and aging, and learn how to lead a class discussion

**BIOL 382 Molecular Genetics (3 Credit Hours)**

*Pre-requisites:* BIOL 251 and 282; CHEM 222 or CHEM 224 or (CHEM 240 pre-req and CHEM 260 co-req)

This course covers the molecular details of genetic processes such as DNA replication, RNA and protein synthesis, gene regulation and genome organization.

*Outcomes:*

Students will be able to demonstrate a detailed understanding of (1) basic molecular techniques, (2) the macromolecules involved in genetic processes, and (3) published experiments that underlie our knowledge of these processes

**BIOL 383 Population Genetics (3 Credit Hours)**

*Pre-requisites:* BIOL 282 and MATH 132 or MATH 162; BIOL 235 is recommended

Fundamental principles of population, ecological, and evolutionary genetics, including molecular evolution and analysis of the genetic structure of populations.

*Outcomes:*

Students develop knowledge and awareness of population genetic theory and information; They learn how to apply basic tools of population genetic analysis

**BIOL 384 Microbial Pathogenesis of Infectious Disease (3 Credit Hours)**

*Pre-requisites:* BIOL 251 (Cell Biology) and BIOL 282 (Genetics) each with a C or higher

The course is focused on teaching students the way bacteria, viruses, fungi, and pathogens, can adhere, invade, replicate, and cause damage and disease in their hosts. The course focuses on the techniques used by researchers to ask questions about these processes.

*Outcomes:*

Students will understand the ways pathogens cause disease, read and review primary literature, and apply techniques used in a grant proposal on a topic of their interest

**BIOL 385 Prin Electron Microscopy Lec/Lab (4 Credit Hours)**

*Pre-requisites:* Permission of instructor, BIOL 341 recommended

This course focuses on the various areas of Electron Microscopy, both Scanning and Transmission. Topics include sample preparation, microscope operation, image acquisition using photographic and digital techniques, history and development, and new and special techniques.

*Outcomes:*

Student will become adept with the various techniques needed to produce research quality electron micrographs; Students will also learn how to correctly interpret their results, and properly present their data

**BIOL 386 Human Genetics (3 Credit Hours)**

*Pre-requisites:* BIOL 282

Students will learn the foundations of human complex trait genetics in this course-based undergraduate research experience. They will analyze and discuss primary literature in human genetics, understand how our genes do and do not influence human differences, apply software tools used in the field, and gain experience in oral and written presentation of research.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Learn the foundations of human complex trait genetics; Analyze and discuss primary literature in human genetics; Begin applying the scripting and software tools used in the field; Design, implement, and evaluate a guided genome-wide analysis of a human phenotype; Gain experience in oral and written presentations of research

**BIOL 387 Genomics (3 Credit Hours)**

Genomics is the compilation, characterization, and evaluation of DNA sequence information and its integration with established methods and genetic knowledge. This course will introduce the students to the study of genome structure and function and its application to biomedicine, agriculture, and evolution.

*Interdisciplinary Option:* Bioinformatics

*Course equivalencies:* X-BIOL387/BIOL387

*Outcomes:*

Students will acquire an in-depth knowledge of the nature of gene and genome structure, function, and evolution as well as the methods used to obtain and evaluate this knowledge; Students will be able to create meaningful web-based database search strategies and interpret the significance of results

**BIOL 388 Bioinformatics (3 Credit Hours)**

Students will engage in the applications of computer-based tools and database searching to better understand the fields of genetics, genomics, evolutionary biology, and personalized medicine. Students will be introduced to scripting programming languages for analyzing biological data sets.

*Interdisciplinary Option:* Bioinformatics

*Course equivalencies:* X-BIOL388/COMP381/BIOL388

*Outcomes:*

Students will be able to appropriately use computer software and databases to accurately analyze biological data and interpret the results, applying their understanding of genetic processes

**BIOL 389 Introduction to Pharmacology (3 Credit Hours)**

*Pre-requisites:* BIOL 243, BIOL 251, BIOL 282; CHEM 222 or CHEM 224 or (CHEM 240 pre-req & CHEM 260 co-req)

Principles and mechanisms of drug action. Topics discussed include drug-receptor interaction, pharmacokinetics, drug distribution, metabolism, and neuro-transmission, blood-brain barrier, and toxicology.

*Outcomes:*

Students will be able to describe the cellular and molecular mechanisms of action for a variety of the most commonly used drugs in current medical use

**BIOL 390 Molecular Biology Laboratory (4 Credit Hours)**

*Pre-requisites:* Bioinformatics majors: BIOL 282 & BIOL 283 and CHEM 222 or CHEM 224 or (CHEM 240 pre-req and CHEM 260 co-req); All other majors: BIOL 251, BIOL 282, BIOL 283 and CHEM 222 or CHEM 224 or (CHEM 240 pre-req and CHEM 260 co-req)

This course is an intensive laboratory course in the basic principles and techniques of molecular biology, including bacterial cloning, polymerase chain reaction, restriction mapping, agarose gel electrophoresis, and DNA sequencing.

*Interdisciplinary Option:* Bioinformatics, Neuroscience

This course satisfies the Engaged Learning requirement.

*Course equivalencies:* X-BIOL390/BIOL390

*Outcomes:*

Students will be able to demonstrate basic molecular biology skills including manipulation of bacterial cultures and DNA, plasmid minipreps, gel electrophoresis, cloning, polymerase chain reaction, and other molecular techniques that may be specific to their chosen independent projects

**BIOL 391 Forensic Molecular Biology Lecture and Lab (5 Credit Hours)**

*Pre-requisites:* BIOL 282, BIOL 283 & FRSC-BS Major

This course prepares students to work in forensic DNA analysis. The lectures cover the basic aspects of DNA structure and function while the laboratory gives students experience with the techniques and instruments used in forensic DNA analysis.

*Interdisciplinary Option:* Forensic Science

*Course equivalencies:* BIOL 391/FRSC 371

*Outcomes:*

Students will have a strong theoretical understanding of STR marker origin, population biology, and legal uses, and will be able to isolate and process DNA for STR scoring

**BIOL 392 Metagenomics (3 Credit Hours)**

*Pre-requisites:* BIOL 282

Exploration of next-generation sequencing technologies for assessing microbial diversity in ecological niches.

*Interdisciplinary Option:* Bioinformatics

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will gain hands-on experience with metagenomic methodologies while working in an interdisciplinary, collaborative setting

**BIOL 394 Special Topics in Biology Laboratory (1-4 Credit Hours)**

Laboratory. Special areas of study outside the usual curriculum, that vary each time the course is offered.

*Outcomes:*

Students will master a unique topic in biology

**BIOL 394E Special Topics in Biology Laboratory (Ecology Emph) (1-4 Credit Hours)**

Laboratory. Special areas of study related to ecology outside the usual curriculum, that vary each time the course is offered.

*Outcomes:*

Students will master a unique topic in biology related to ecology

**BIOL 394M Special Topics in Biology Laboratory (Molecular Emph) (1-4 Credit Hours)**

Laboratory. Special areas of study related to molecular biology outside the usual curriculum, that vary each time the course is offered.

*Outcomes:*

Students will master a unique topic in biology related to molecular biology

**BIOL 395 Special Topics in Biology (3 Credit Hours)**

Special areas of study outside the usual curriculum, that vary each time the course is offered.

*Outcomes:*

Students will master a unique topic in biology

**BIOL 395E Special Topics in Biology (Ecology Emph) (3 Credit Hours)**

Special areas of study related to ecology outside the usual curriculum, that vary each time the course is offered.

*Outcomes:*

Students will master a unique topic in biology related to ecology

**BIOL 395L Special Topics Laboratory (1-4 Credit Hours)**

Laboratory. Special areas of study outside the usual curriculum, that vary each time the course is offered.

*Outcomes:*

Students will master a unique topic in biology

**BIOL 395M Special Topics in Biology (Molecular Emph) (3 Credit Hours)**

Special areas of study related to molecular biology outside the usual curriculum, that vary each time the course is offered.

*Outcomes:*

Students will master a unique topic in biology related to molecular biology

**BIOL 396 Research (3 Credit Hours)**

*Pre-requisites:* BIOL 296 (minimum 1 credit), Permission of Instructor; Contract Required

Laboratory or field research under faculty guidance emphasizing hypothesis testing, literature searches, experimental design, and use of appropriate techniques.

*Interdisciplinary Option:* Neuroscience

This course satisfies the Engaged Learning requirement.

*Course equivalencies:* BIOL299/BIOL396

*Outcomes:*

Students will learn the full set of research skills required in doing an independent project and reporting the results

**BIOL 396E Research (Ecology Emph) (3 Credit Hours)**

*Pre-requisites:* BIOL 296 (minimum 1 credit), Permission of Instructor; Contract Required

Laboratory or field research related to ecology under faculty guidance emphasizing hypothesis testing, literature searches, experimental design, and use of appropriate techniques.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will learn the full set of research skills required in doing an independent project related to ecology and reporting the results

**BIOL 396M Research (Molecular Emph) (3 Credit Hours)**

*Pre-requisites:* BIOL 296 (minimum 1 credit), Permission of Instructor; Contract Required

Laboratory or field research related to molecular biology under faculty guidance emphasizing hypothesis testing, literature searches, experimental design, and use of appropriate techniques.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will learn the full set of research skills required in doing an independent project related to molecular biology and reporting the results

**BIOL 397 Course-Based Undergraduate Research Experience in Biology (1-4 Credit Hours)**

Laboratory. Special areas of study outside the usual curriculum, that vary each time the course is offered. Students will be working on research contributing to current scientific questions in the noted special topic area.

This course satisfies the Engaged Learning requirement.

*Course equivalencies:* Biol 397H / Biol 397

*Outcomes:*

Students will plan and execute appropriate experimental or observational methods, and evaluate the results to address a research question or explore a biological phenomenon; Students will review the scientific literature, and then use the appropriate language and style to communicate their findings effectively to targeted audiences

**BIOL 397E Course-based Undergraduate Research Experience in Biology (Ecology Emph) (1-4 Credit Hours)**

Laboratory. Special areas of study outside the usual curriculum related to ecology, that vary each time the course is offered. Students will be working on research contributing to current scientific questions in the noted special topic area.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will plan and execute appropriate experimental or observational methods, and evaluate the results to address a research question or explore a biological phenomenon related to ecology; Students will review the scientific literature, and then use the appropriate language and style to communicate their findings effectively to targeted audiences

**BIOL 397M Course-based Undergraduate Research Experience in Biology (Molecular Emph) (1-4 Credit Hours)**

Laboratory. Special areas of study outside the usual curriculum related to molecular biology, that vary each time the course is offered. Students will be working on research contributing to current scientific questions in the noted special topic area.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will plan and execute appropriate experimental or observational methods, and evaluate the results to address a research question or explore a biological phenomenon related to molecular biology; Students will review the scientific literature, and then use the appropriate language and style to communicate their findings effectively to targeted audiences

**BIOL 398 Internship in Biology (1-3 Credit Hours)**

*Pre-requisites:* Permission of Instructor; Contract required

A supervised field placement intended to give students training or work experience in aspects of biology that cannot be obtained on campus.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will acquire practical experience in biology-related job settings

**BIOL 398E Internship in Biology (Ecology Emph) (1-3 Credit Hours)**

*Pre-requisites:* Permission of Instructor; Contract required

A supervised field placement intended to give students training or work experience in aspects of biology related to ecology that cannot be obtained on campus.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will acquire practical experience in ecology-related job settings

**BIOL 398M Internship in Biology (Molecular Emph) (1-3 Credit Hours)**

*Pre-requisites:* Permission of Instructor; Contract required

A supervised field placement intended to give students training or work experience in aspects of biology related to molecular biology that cannot be obtained on campus.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will acquire practical experience in molecular biology-related job settings

**BIOL 399 Individual Study (1-3 Credit Hours)**

Directed study of a specific topic by an individual student studying with a single faculty member.

*Outcomes:*

Students will master a unique topic in biology

**BIOL 399E Individual Study (Ecology Emph) (1-3 Credit Hours)**

Directed study of a specific topic related to ecology by an individual student studying with a single faculty member.

*Outcomes:*

Students will master a unique topic in biology related to ecology

**BIOL 399M Individual Study (Molecular Emph) (1-3 Credit Hours)**

Directed study of a specific topic related to molecular biology by an individual student studying with a single faculty member.

*Outcomes:*

Students will master a unique topic in biology related to molecular biology

## Catholic Studies (CATH)

**CATH 100 Introductory Topics in Catholic Studies (3-6 Credit Hours)**

Introductory level course for topics cross-listed with other courses that focus on areas of Catholic studies but are not included among the courses listed in the Catholic Studies Program.

*Interdisciplinary Option:* Catholic Studies

*Outcomes:*

Students will master a topic in Catholic Studies not addressed in other courses

**CATH 101 Evolution Western Ideas & Institutions to the 17th Century (3 Credit Hours)**

This course traces the early development of Western civilization from the ancient Near East; Greece and Rome; the medieval civilization(s); to the European Renaissance and Reformation.

*Course equivalencies:* X-HIST101/CATH101/ACHIS101

*Outcomes:*

Students will gain an understanding of history as a discipline; be able to place Judaism, Christianity, and Islam in historical context; explain the expansion of the West; and develop their critical thinking and communications skills

**CATH 101D Development of Western Thought Honors Discussion (3 Credit Hours)**

*Pre-requisites:* Catholic Studies students must be enrolled in the Honors Program and must be completing the first section of the course HONR 101 (cross-listed with CATH 102)

This course is the second half of the Freshmen Honors program protocol of HONR 101, where students receive 6 credit hours for intensive reading, lectures, and discussion groups with professors.

*Course equivalencies:* X-HONRD101/CATH101D

**CATH 102 Western Traditions Honors-Antiquity to Middle Ages (3 Credit Hours)**

This course is restricted to Catholic Studies Minors enrolled in the Honors Program. This foundational course in the history of Western culture from antiquity to the Middle Ages discusses such writers ranging from Homer all the way to Augustine. Students will pose questions and comments about some of the ideas and texts that helped shaped Western culture, including many that come out of the western Christian tradition.

*Course equivalencies:* X-HONR10/CATH102

**CATH 104 Jesus Christ (3 Credit Hours)**

The study of the person of Jesus Christ.

*Course equivalencies:* THEO104/CATH104

*Outcomes:*

Students will be able to demonstrate understanding of the nature of Jesus Christ as both human and divine, what this might mean, how this formulation was derived, and the varieties of understanding of Christ within the Scriptures, the church, and modern scholarship

**CATH 105 The Church in the World (3 Credit Hours)**

How does Christian Theology inform how Christians act in the world? This is the central question that we will seek to answer throughout this course. Examining the intersection between theoretical and practical theology, we will explore the Church's engagement in the world at large, both in global cultures and political movements. Each class will focus on the sources of Christian doctrine, Biblical and Traditional, with an emphasis on Catholic teaching since Vatican II and on the lived reality of these teachings in a variety of historical and geographical contexts. Using contemporary examples of global issues, we will explore the practicality and potential benefits and drawbacks of doing theology in the public sphere.

*Course equivalencies:* X-THEO105/CATH105

**CATH 106 Theology of The Sacraments (3 Credit Hours)**

This course studies the realities of Christian faith life as expressed in the concrete rituals of Christian communities. Sacraments are more than just mechanical ways in which to experience God in Christian liturgy - defined traditionally as "visible signs of invisible realities." Certainly, the seven sacraments of the Catholic tradition perform the central mysteries of God's gracious self communication; however, as importantly, they also introduce and articulate a way of interpreting reality. This course will not only examine the historical development, central beliefs and communal practices of the sacraments, but will also explore the "sacramental principle" as a way to illuminate the theological dynamics that are such an essential component of Catholic liturgy and Christian spirituality. Students will investigate the nature of the sacramental system in Catholic worship, identify the key concepts of "sacramentality" and explore the religious practices that are part of the living tradition of sacramental theology. Finally, students will explore how, in the end, the sacramental principle affects everything and cannot be contained. Sacramentality is a way of being, an "eventing" that reminds us how dynamic and transcendent (as opposed to static and insulated) life is. So, we will follow the clues where they lead and assess current relationships among sacramental theology, liturgy, artistic reflection, cross-cultural expression, and daily life.

*Course equivalencies:* X-THEO265/CATH106

**CATH 112 New Testament (3 Credit Hours)**

The study of the New Testament.

*Course equivalencies:* X-THEO112/CATH112

*Outcomes:*

Students will be able to demonstrate understanding of the various literary genres found in the New Testament

**CATH 179 Roman Catholicism (3 Credit Hours)**

James Joyce famously called Roman Catholicism the "Here comes everybody" tradition, offering an apt description for a faith community made up of both sinners and saints, martyrs and missionaries, defenders and detractors all. This course on Roman Catholicism begins from the assumption that it is fundamentally a tradition of paradox, which establishes constancy through change and firmness through fluidity. Students will explore Roman Catholicism less as a set of definite beliefs and moral precepts, and more as a world-shaping perspective that forms Catholics to see and to be in distinctive ways. Finally, the course will address head-on a range of serious challenges confronting Roman Catholicism today, including widespread disaffiliation, clergy abuse, Magisterial teaching on gender and sexuality, women's ordination, and racism and anti-Judaism in the tradition.

*Course equivalencies:* THEO179/THEO279/CATH179

**CATH 181 Christianity Through Time (3 Credit Hours)**

This course will introduce you to the history and missionary movements of the Christian religion, from the early church to the present day. While the course is set up thematically in chronological order, you will read case studies based on primary sources, social history, and material culture that will give you an overview of Christian revelation, theological differences, community and controversies, circulation of ideas and counter-ideas, missionary tactics, power struggles, and people's experiences in ecclesial (liturgy and sacrament), para ecclesial, and personal ways. You will also visit the Art Institute of Chicago and the Newberry Library to see objects and manuscripts from the Christian tradition. The story this course seeks to reveal is how the Christian religion has defined the relationship between the divine and the human world.

*Course equivalencies:* THEO181/ THEO281/CATH181

**CATH 193 Christian Marriage (3 Credit Hours)**

Examination of the historical development of marriage within the Christian tradition as well as an investigation and evaluation of its condition in contemporary American society.

*Course equivalencies:* THEO193/THEO293/CATH193

*Outcomes:*

Students will be able to demonstrate understanding of ethical principles used to evaluate particular issues relevant to the understanding of the Christian tradition of marriage

**CATH 200 Intermediate Topics in Catholic Studies (3-6 Credit Hours)**

Intermediate level course for topics cross-listed with courses that focus on areas with Catholic studies but are not included among the courses listed in the Catholic Studies Program.

*Interdisciplinary Option:* Catholic Studies

*Outcomes:*

Students will master a topic in Catholic Studies not addressed in other courses

**CATH 255 Music in Catholic Worship (3 Credit Hours)**

This course will explore the relationship between music and the liturgies of the Roman Catholic Church. Theologies of liturgical music will be compared and contrasted using the official documents of the Church, theological perspectives and from pastoral experience.

*Course equivalencies:* X-MUSC255/CATH255

*Outcomes:*

For students seeking greater knowledge of sacred music, they will be introduced and become familiar with different styles of music, reflect upon and access the application and performance of sacred works within the course as well as in onsite experiences in Catholic parishes in Chicago



**CATH 278 Medieval Culture (3 Credit Hours)**

Europe in the Early Middle Ages was an unstable world, with its collapsing imperial framework, migrating peoples, contrary cultures, insecure economic structures and clashing political strategies. From that a new balance was struck, through the blending of Roman, Germanic, Celtic and Christian orders, and a Medieval Synthesis was forged. The readings emphasize primary sources and their interpretation while modern secondary sources will further inform our exploration into the phenomenon of cultural synthesis and its place in history.

*Course equivalencies:* X-ENGL279/CATH278/MSTU304

**CATH 296 All Things Ignatian: Living and Learning in the Jesuit Trad (3 Credit Hours)**

This course explores the founder of the Jesuits, St. Ignatius Loyola and considers his historical context and that of the Jesuits from Renaissance Europe to today. Second, the course will introduce "The Spiritual Exercises," a highly refined and adaptable method of prayer, contemplation and action. Finally, the course will examine Ignatian spirituality as a practical resource for addressing critical issues in the Church and world today. Identify and explain the chief characteristics and major themes of Ignatian spirituality. Locate, analyze, and demonstrate Jesuit apostolate of scholarship and teaching; identify the global contribution to education, particularly to university life. Experience direct service.

*Interdisciplinary Option:* Catholic Studies

This course satisfies the Engaged Learning requirement.

*Course equivalencies:* X-CATH 296/THEO 296

*Outcomes:*

Describe the life and history of Ignatius of Loyola and the Society of Jesus

**CATH 297 The Jesuits: Life and History (3 Credit Hours)**

This course examines the history of the Society of Jesus from its founding by Ignatius Loyola in the 16th century to its activities in the contemporary world.

*Course equivalencies:* X-HIST297/CATH297

*Outcomes:*

Students will gain a sense of the characteristics of Jesuit spirituality and the contribution of Jesuits to various fields of human endeavor such as evangelization, education, politics, literature, and the visual arts

**CATH 300 Advanced Topics in Catholic Studies (3-6 Credit Hours)**

Advanced level course for topics cross-listed with courses that focus on areas with Catholic studies but are not included among the courses listed in the Catholic Studies Program.

*Interdisciplinary Option:* Catholic Studies

*Outcomes:*

Students will master a topic in Catholic Studies not addressed in other courses

**CATH 301 Catholics in America (3 Credit Hours)**

This course uses canonization, the process by which the Catholic Church recognizes saints, to explore change over time in the history of both the Catholic Church and the United States. Drawing upon a cast of characters that includes saints and sinners, martyrs and missionaries, patriot priests and unruly women, we will explore how conceptions of sanctity and holiness have been shaped by popular devotion, papal power, gender, race, sexuality, nationalism, and commercialization.

**CATH 302 Religion & Pop Culture: Europe (3 Credit Hours)**

In this course, we will explore how religion is lived by ordinary people in the contexts of everyday life through various popular culture forms and genres. We will consider how religion animates popular culture, how popular culture itself does religious work, and how religious and non-religious groups and individuals approach popular culture at various times and in certain circumstances as both sacred and profane.

**CATH 303 Topics in the Catholic Philosophical Tradition (3 Credit Hours)**

*Pre-requisites:* One class in philosophy or permission of instructor

This course examines some aspect(s) of the Catholic philosophical tradition, drawing from various eras: its roots in ancient Greek philosophy, through the medieval period in the work of figures such as St. Augustine and St. Thomas Aquinas, and up to and including contemporary Catholic philosophy.

*Course equivalencies:* X-CATH 303 / PHIL 342

*Outcomes:*

Students will be conversant and familiar with some central features of the Catholic philosophical tradition, demonstrating proficiency in operating within the philosophical framework of this tradition

**CATH 305 Medieval Philosophy (3 Credit Hours)**

This course deals with selected works from such authors as Augustine, Anselm, Aquinas, Bonaventure, Scotus, and Ockham. The course may be on a particular author, or on a theme or issue characteristic of medieval thought.

*Course equivalencies:* X-PHIL305/CATH305/MSTU344

**CATH 307 13th & 14th Century Philosophy (3 Credit Hours)**

Modern thinkers of the 13th and 14th centuries, including at least some of the following: Albertus Magnus, Thomas Aquinas, Dun Scotus, William of Ockham, Roger Bacon. This course will focus on Thomas Aquinas, John Duns Scotus, and William of Ockham. In doing so we will try to get a sense of how they carried out the practice of philosophy, especially given the fact that each of them was a theologian by profession. Thus, the main theme of the course will be the relation of philosophy to theology - more broadly, faith and reason - as it was understood in this period. We will also look at a range of other issues that were of concern to the scholastics--chiefly questions of metaphysics and epistemology.

*Course equivalencies:* X-PHIL307/CATH307

**CATH 309 History of Primitive Christianity (3 Credit Hours)**

This course treats the history of Christian communities and beliefs from their emergence in cities of the early Roman Principate to the legalization of that religion in the Late Antique period.

*Course equivalencies:* X-HIST309/CATH309

*Outcomes:*

Students gain familiarity with messianism and eschatology in Second Temple Judaism, evangelization and growth of urban Christian churches, interaction with Roman Imperial government, and the flourishing of monasticism in the period of legalization

**CATH 310 The Early Middle Ages 600-1150 (3 Credit Hours)**

This course examines European society and culture in the early Middle Ages.

*Course equivalencies:* X-HIST310/MSTU328/CATH310

*Outcomes:*

Students will demonstrate an understanding of reasons behind the transformation of classical civilization; the so-called fall of Rome and the barbarian invasions; early Germanic kingdoms; Charlemagne and Carolingian Europe; the Vikings; and church and society in the eleventh century

**CATH 311 Medieval World 1100-1500 (3 Credit Hours)**

This course examines European society and culture in the later Middle Ages.

*Course equivalencies:* HIST311/MSTU332/CATH311

*Outcomes:*

Students will demonstrate understanding of new forms of schools and learning; the origins of national monarchies; the crusades; chivalry; courtly love and the role of women; the rise of towns; church and state relations; the Black Death and the Hundred Years War

**CATH 312 Dante-The Divine Comedy (3 Credit Hours)**

Refashioning the conventions of poetry, Dante (1265-1321) used the account of his presumed journey through the three realms of the Christian afterlife - Hell, Purgatory and Paradise - to explore the world at the close of the Middle Ages. The poem is both an adventure story and an exhaustive, assessment of the state of politics, society, religion, literature, philosophy, and theology at the beginning of the fourteenth century. This course examines a selection of cantos Dante's *Inferno*, *Purgatorio*, *Paradiso* in its cultural, theological, social and political context. In particular we will explore how the underground world imagined by the poet relates to late medieval urban life and culture. A guiding concern of the discussion is to assess the ways in which Dante changed our understanding of the relationship between the human and the divine, justice and love, will and reason, happiness and knowledge, literature and the Bible. Political turmoil, philosophical and theological paradigms social and religious conflict all converge in the making of the *Comedy* and will thus form crucial elements of our investigation.

*Course equivalencies:* X-ITAL312/CATH312/MSTU364

**CATH 315 Mary and The Church (3 Credit Hours)**

The course is structured as a chronological sweep through the history of ideas on Mary and her importance for understanding the God revealed in Jesus Christ. We will examine Mary's place throughout the seven major ages of Christianity with particular attention to the Early Church Age. After exploring the Mariologies of the Early Church Age, we will explore the continued development of Mariology, spending significant time thinking about Mariology in the Post-Modern Age through your papers and presentations.

*Course equivalencies:* THEO315/CATH315

**CATH 316 The Reformation (3 Credit Hours)**

This course examines the birth and progress of the Reformation in Europe from Luther's protest in 1517 to the conclusion of the Thirty Years War in 1648.

*Course equivalencies:* X-HIST315/CATH316

*Outcomes:*

Students gain familiarity with the social, religious, intellectual, and political background of the Reformation; Luther's personal religious experience and his theological convictions; the Swiss Reformation of Zwingli and Calvin; the nature and spread of Calvinism; the elements of the Radical Reformation; and the efforts for Catholic Reform culminating at the Council of Trent

**CATH 317 Christian Thought: Ancient to Medieval (3 Credit Hours)**

Early and medieval Christian Thought focuses upon the development of Christian thinking from the apostolic times to the eve of the Protestant Reformation. It centers on those individuals of the period who influenced thinking and practice in their as well as subsequent times. It also focuses upon important historical, social and political events that interacted with Christian doctrines throughout the centuries.

*Course equivalencies:* X-THEO317/CATH317/MSTU360

**CATH 318 Christian Thought: Reformation to Modern (3 Credit Hours)**

The development of various Christian doctrines in light of their historical milieu during the last six centuries of Christian thought.

*Course equivalencies:* X-THEO318/CATH318

*Outcomes:*

Students will be able to assess how various configurations of theological perspectives can both expand and foreshorten the way human thinking has gone on

**CATH 320 The Philosophy of St Augustine (3 Credit Hours)**

This course is a study of the principal works of Augustine, such as the *Confessions*, *City of God*.

*Course equivalencies:* X-PHIL320/CATH320/MSTU346

*Outcomes:*

Students will be able to understand and articulate philosophical problems and answers found in the works of Augustine

**CATH 321 English Literature: Medieval Period (3 Credit Hours)**

This course provides a survey of Old and Middle English Literature, studied partly in translation and partly in the original. Students will receive training in the understanding, appreciation, and criticism of works of medieval culture.

*Course equivalencies:* X-ENGL320/CATH321/MSTU308

**CATH 322 Chaucer (3 Credit Hours)**

This course introduces students to the life and writings of Chaucer through the reading of a representative selection (but not necessarily all) of *The Canterbury Tales* and through considering a variety of critical perspectives on them. Students will be able to demonstrate knowledge of Chaucer's poetry, the ability to read Middle English, and familiarity with some critical perspectives on Chaucer's works.

**CATH 345 Roman Catholic Social Thought (3 Credit Hours)**

An introduction to the social documents of the Catholic Church in the modern era. This course presents a synthesis of the methodology, the anthropology, and the principles used by the Church in its moral reflection on the various social problems of our day.

*Course equivalencies:* X-THEO345/CATH345

**CATH 361 St Augustine Works (3 Credit Hours)**

*Pre-requisites:* LATN 101 and LATN 102 or their equivalents

This course focuses on translation and understanding of the works of Saint Augustine.

*Course equivalencies:* LATN361/CATH361

*Outcomes:*

students should be able to translate these works with proficiency, and be able to demonstrate knowledge in detail about the author and his works, as well as deeper understanding and appreciation of the historical, social and intellectual contexts and influences pertaining to them

**CATH 379 Ecumenism in The 20th Century (3 Credit Hours)**

Investigation of the principles of ecumenism as formulated in Vatican II. Study of the agreed statements of bilateral discussions between Christian communities.

*Course equivalencies:* X-THEO379/CATH379

*Outcomes:*

Students will be able to assess how various configurations of a religious worldview can both expand and foreshorten the way human thinking has gone on

**CATH 383 Theology Arts & Literature (1-3 Credit Hours)**

Study of theological and religious symbols and themes in modern literature and/or in the arts.

*Course equivalencies:* X-THE0383/ENGL383/CATH383

*Outcomes:*

The student who successfully completes this course will be able to demonstrate knowledge about religion and its intersections with selected contemporary ethical, social, political, economic, or cultural issues

**CATH 393 Seminar Theology (3 Credit Hours)**

An undergraduate seminar course in theology with variable content, addressing topical issues that are not covered by the regular offerings at the 300 level.

*Outcomes:*

Students will gain an in-depth understanding of a selected topic

**CATH 395 Directed Readings in Catholic Studies (3-6 Credit Hours)**

An independent program of reading and research developed in consultation with either the Catholic Studies Program director or a supervising faculty member that teaches in Catholic Studies, culminating in a major project or paper.

*Interdisciplinary Option:* Catholic Studies

*Outcomes:*

Students will master a topic in Catholic Studies not addressed in other courses

**CATH 396 Seminar in Medieval Phil (3 Credit Hours)**

This course will study selected issues from medieval philosophy.

*Outcomes:*

Students will develop a more advanced understanding of medieval philosophy, through direct student participation in an interactive seminar environment

## Chemistry (CHEM)

**CHEM 101 General Chemistry A Lecture/Discussion (3 Credit Hours)**

*Pre-requisites:* MATH 117 or equivalent

*Co-requisites:* CHEM 111 and MATH 118

A year of high school chemistry is recommended; This non-majors course deals with the development of basic chemical principles. Multiple perspectives of matter will be used to describe and explain characteristics, properties, and relationships across the following topics: atomic structure, nuclear chemistry, periodicity, molecular structure, chemical bonding, chemical reactions, thermochemistry, aqueous solutions, gases

*Interdisciplinary Option:* Bioinformatics, Forensic Science

*Course equivalencies:* ACCHM / CHEM 101

*Outcomes:*

Students will learn the foundational concepts of chemistry in these topic areas and develop skills in scientific problem solving and critical thinking

**CHEM 102 General Chemistry B Lecture/Discussion (3 Credit Hours)**

*Pre-requisites:* CHEM 101 or CHEM105; MATH 118 or equivalent

This non-majors course further develops principles from CHEM 101 & requires in-depth integration of concepts. Multiple perspectives of matter will be used to describe/explain characteristics, properties, & relationships across the following topics: liquids & solids, solutions, reaction kinetics, equilibria, acids & bases, reaction thermodynamics, electrochemical reactions.

*Interdisciplinary Option:* Bioinformatics, Forensic Science

*Course equivalencies:* ACCHM / CHEM 102

*Outcomes:*

Students will deepen their understanding of foundational concepts of chemistry and advance their skills in scientific problem solving, critical thinking and synthesis of concepts

**CHEM 102D General Chemistry B Discussion (0 Credit Hours)**

Discussion to accompany the CHEM 102 lecture section.

**CHEM 105 Chemical Principles (4 Credit Hours)**

*Pre-requisites:* Math Placement Test or Math 117

Lecture, discussion and laboratory course for majors covering stoichiometry, reactions in aqueous solution, states of matter, electronic structure, thermodynamics, chemical bonding, molecular geometry and intermolecular forces. Emphasis given to writing electron configurations and Lewis diagrams, predicting molecular geometry and properties, mass/mole conversions and solving thermodynamic and gas law problems.

*Outcomes:*

Students will learn basic chemical principles in these areas

**CHEM 106 Basic Inorganic Chemistry (4 Credit Hours)**

*Pre-requisites:* CHEM 105 AND MATH 118 or equivalent

Laboratory course designed to illustrate fundamental models and theories in chemistry with an emphasis on significant digits, calculations, and analysis and discussion questions.

*Interdisciplinary Option:* Bioinformatics, Forensic Science

*Outcomes:*

Students will be able to use equipment properly and demonstrate correct laboratory technique

**CHEM 111 General Chemistry Lab A (1 Credit Hour)**

*Pre-requisites:* MATH 117 or placement test equivalent

Laboratory course designed to illustrate fundamental models and theories in chemistry with an emphasis on significant digits, calculations, and analysis and discussion questions.

*Interdisciplinary Option:* Bioinformatics, Forensic Science

*Course equivalencies:* ACCHM / CHEM 111

*Outcomes:*

Students will be able to use equipment properly and demonstrate correct laboratory technique

**CHEM 112 General Chemistry Lab B (1 Credit Hour)**

*Pre-requisites:* CHEM 101 and 111 (or CHEM 105) and MATH 118 (or equivalent)

The second semester of general chemistry laboratory exposes students to qualitative analysis and continues the process of experimenting and collecting data to test the validity of theories and models presented in lecture.

*Interdisciplinary Option:* Bioinformatics, Forensic Science

*Course equivalencies:* ACCHM / CHEM 112

*Outcomes:*

Students will demonstrate success in lab by making perceptive qualitative observations and accurate quantitative measurements

**CHEM 160 Chemical Structure and Properties (3 Credit Hours)***Pre-requisites:* MATH 117 or equivalent

Lecture and discussion course designed to create foundational knowledge and proficiency in essential chemistry concepts and skills. Topics include atomic structure, periodic properties, bonding and properties of molecules, solid states, interactions and connections of light and matter, quantum and molecular mechanics models of atoms and molecules.

*Outcomes:*

Students will use multiple perspectives of matter to describe and explain how atomic, molecular and interparticle structure determines the properties of common materials

**CHEM 161 Chemical Structure and Properties Laboratory (1 Credit Hour)***Pre-requisites:* MATH 117 or equivalent

Laboratory course designed to create foundational knowledge and proficiency in essential chemistry lab skills including developing the knowledge and use of PPE, MSDS, and Chemical labels, basic statistical analysis and graphing, proper usage of common laboratory equipment and instrumentation, and keeping a laboratory notebook and writing reports.

*Outcomes:*

Students will learn essential chemistry lab skills, including best practices for chemical safety and hygiene, laboratory equipment, instrumentation, writing techniques, and measurements

**CHEM 171 General Chemistry for Engineering Science Majors (3 Credit Hours)**

*Pre-requisites:* MATH 118 or Math Placement Test; Co-requisite CHEM 173; Restricted to Engineering Science Students; A good background in high school chemistry is recommendation

This course is designed to acquaint students in engineering science with fundamental concepts of chemistry as well as their applications in the field of engineering. Students will survey topics in atomic structure, periodicity, chemical bonding, chemical reactions and reaction stoichiometry, gases, chemical thermodynamics, chemical kinetics, chemical equilibrium, and electrochemistry. A good background in high school chemistry is recommendation.

*Outcomes:*

Students should demonstrate proficient understanding of fundamental concepts and skills of general chemistry as well as their applications in the field of engineering

**CHEM 173 General Chemistry Lab for Engineering Science Majors (1 Credit Hour)**

*Pre-requisites:* MATH 118 or equivalent; Co-requisite: CHEM 173; Enrollment is restricted to declared ENGR majors; A good background in high school chemistry is recommendation

This lab course is a companion course to CHEM 171 General Chemistry for Engineering Science and is designed to support the development of chemistry concepts within the following topics: atomic structure, periodicity, chemical bonding, chemical reactions and reaction stoichiometry, gases, chemical thermodynamics, chemical kinetics, chemical equilibrium, and electrochemistry.

**CHEM 180 Chemical Reactivity I (3 Credit Hours)***Pre-requisites:* CHEM 160 and MATH 118 or equivalent

Lecture and discussion course designed to create foundational knowledge and proficiency in essential chemistry concepts and skills. Topics include acids and bases, buffers, chemical equilibrium, molecular thermodynamics and kinetics, nucleophilic substitutions, elimination reactions, carbonyl compounds and reactions with applications to biochemical pathways.

*Outcomes:*

Students will use qualitative and quantitative representations of matter to describe, explain, and predict how molecular structure and stability changes over time in chemical reactions

**CHEM 181 Chemical Reactivity I Lab (1 Credit Hour)***Pre-requisites:* CHEM 160, CHEM 161, and MATH 118 or equivalent

Laboratory course designed to utilize experiments to illustrate the relationships between the structures of compounds and their resulting properties. Topics include identification of compounds using chromatography, mass spectrometry, infrared spectroscopy, and NMR, separation methods. Additional skills in analytical reasoning and information literacy will also be developed.

*Outcomes:*

Students will establish best practices for working safely in lab, analyzing compounds, interpreting spectra, and purification of reaction products

**CHEM 195 Foundational Concepts in Chemistry (1-3 Credit Hours)**

Foundational Chemistry seminar/topics course, 1-3 credit hours. Chemical topics vary by section and are selected from the CHEM 100- and/or 200-level Departmental curriculum. Departmental consent required.

*Outcomes:*

Students will use multiple perspectives of matter to describe and explain characteristics, properties, and relationships of chemical systems

**CHEM 212 Quantitative Analysis Lecture (3 Credit Hours)***Pre-requisites:* CHEM 106 or 102 and 112

This lecture course provides an introduction to modern analytical quantitative chemistry. Topics include chemical equilibrium, statistical analysis of data as well as modern and classical methods of chemical analysis.

*Interdisciplinary Option:* Forensic Science**CHEM 214 Quantitative Analysis Laboratory (1 Credit Hour)***Pre-requisites:* CHEM 106 or 102 and 112; Pre or co-requisite: CHEM 212

This laboratory course introduces students to classical and modern methods of chemical analysis and teaches wet chemical laboratory techniques.

*Interdisciplinary Option:* Forensic Science**CHEM 221 Organic Chemistry I Lec/Disc (4 Credit Hours)***Pre-requisites:* CHEM 106; Chemistry and Biochemistry majors only

A lecture, discussion and laboratory course for chemistry majors covering structure and bonding in organic molecules; nomenclature, chemical and physical properties and reactions of non-aromatic hydrocarbons, alkyl halides, alcohols, ethers; stereochemistry and conformational analysis; and spectroscopy.

*Interdisciplinary Option:* Bioinformatics, Forensic Science*Outcomes:*

Students will understand the chemical behavior of organic molecules and the mechanisms of reactions



**CHEM 222 Organic Chemistry II Lec/Disc (4 Credit Hours)**

*Pre-requisites:* CHEM 221; Chemistry & Biochemistry majors only  
A lecture, discussion and laboratory course for chemistry majors continuing from 221 covering nomenclature, properties, reactions, syntheses, and spectroscopy of further classes of aliphatic and aromatic compounds, carbohydrates and other polyfunctional compounds.

*Interdisciplinary Option:* Bioinformatics, Forensic Science

*Outcomes:*

Students will be able to assign IUPAC names, spectroscopically identify, prepare, and propose reactions for these groups

**CHEM 223 Organic Chemistry A Lec/Disc (3 Credit Hours)**

*Pre-requisites:* (CHEM 102 or CHEM 106) and MATH 118 (or equivalent)

Lecture and discussion course for non-chemistry majors surveying nomenclature, structures, properties, stereochemistry, reactions, mechanisms, and syntheses of aliphatic hydrocarbons, alkyl halides, alcohols, and ethers.

*Interdisciplinary Option:* Bioinformatics, Forensic Science

*Outcomes:*

Students will identify classes of organic compounds and typical reactions, discriminate amongst intermediate stabilities, postulate reaction mechanisms, plan multi-step syntheses, and analyze/interpret spectroscopic data

**CHEM 224 Organic Chemistry B Lec/Disc (3 Credit Hours)**

*Pre-requisites:* CHEM 223 or 221

The second semester lecture and discussion course of a two semester sequence, a continuation of CHEM 223 for non-chemistry majors emphasizing the organic chemistry of conjugated systems, aromatic compounds, carbonyl compounds, amines, carboxylic acids and their derivatives, carbohydrates, lipids, and proteins.

*Interdisciplinary Option:* Bioinformatics, Forensic Science

*Outcomes:*

Students will identify classes of organic compounds and typical reactions, discriminate amongst intermediate stabilities, postulate reaction mechanisms, plan multi-step syntheses, and analyze/interpret spectroscopic data

**CHEM 225 Organic Chemistry Lab A (1 Credit Hour)**

*Pre-requisites:* CHEM 102 and 112 (or CHEM 106) and MATH 118 (or equivalent)

A laboratory course for non-chemistry majors designed to reinforce lecture topics from CHEM 223 and to expose students to the safe handling of organic chemicals.

*Interdisciplinary Option:* Forensic Science

*Outcomes:*

Students will acquire basic laboratory techniques and practices for working with organic chemicals

**CHEM 226 Organic Chemistry Lab B (1 Credit Hour)**

*Pre-requisites:* CHEM 223 and CHEM 225 (or CHEM 221)

A laboratory course for non-chemistry majors designed to reinforce lecture topics from 224 and to expose students to organic synthesis.

*Interdisciplinary Option:* Forensic Science

*Outcomes:*

Students will perform reactions to prepare known organic compounds and then isolate and characterize the reaction products

**CHEM 240 Chemical Reactivity II (3 Credit Hours)**

*Pre-requisites:* CHEM 180 and CHEM 181; Bioinformatics majors have Pre-requisite: CHEM 180  
*Outcomes:* Students will increase their ability to use qualitative and quantitative representations of matter to describe, explain, and predict how molecular structure and stability changes over time in chemical reactions

Lecture and discussion course designed to create foundational knowledge and proficiency in essential chemistry concepts and skills. Topics include the reactivity of: alkenes, arenes, alkynes, and polyfunctional organic molecules. These topics will expand and enhance the ability to use chemical principles to explain natural phenomena.

**CHEM 241 Chemical Reactivity II Laboratory (1 Credit Hour)**

*Pre-requisites:* CHEM 180 and CHEM 181

Laboratory course designed to teach students how to perform chemical synthesis reactions and to evaluate and report the results.

*Outcomes:*

Students will utilize best practices for working safely in lab and for synthesizing, purifying, and characterizing chemical compounds

**CHEM 242 Chemical Synthesis Laboratory (2 Credit Hours)**

*Pre-requisites:* CHEM 180 and CHEM 181

Laboratory course designed to teach students how to perform chemical synthesis reactions and to evaluate and report the results. Students will also learn how to search the chemistry literature for existing synthesis laboratory procedures.

*Outcomes:*

Students will utilize best practices for working safely in lab and for synthesizing, purifying, and characterizing chemical compounds

**CHEM 260 Quantitative Methods in Chemistry (3 Credit Hours)**

*Pre-requisites:* CHEM 180, CHEM 181 and MATH 131 (or MATH 161); BIOI-BS majors, Pre-requisite: CHEM 180 and MATH 131 (or MATH 161)

Lecture and discussion course designed to create foundational knowledge and proficiency in essential chemistry concepts and skills. Topics include quantitative description of gases, liquids, and solutions, kinetics of chemical reactions, chemical equilibria, acids and bases, the thermodynamics of chemical reactions, electrochemistry, and spectroscopy.

*Outcomes:*

Students will deepen their understanding of foundational concepts of chemistry and advance their skills in scientific problem solving, critical thinking, and synthesis of concepts

**CHEM 261 Quantitative Methods in Chemistry Laboratory (1 Credit Hour)**

*Pre-requisites:* CHEM 180 and CHEM 181 and MATH 131 (or MATH 161)

Laboratory course designed for non-majors. The course provides students continued laboratory and chemical safety topics, scientific writing, peer review, and importance of articulating lab results in content. It will teach students how to perform chemical analysis using a variety of techniques including titration, kinetics, and spectrophotometry. Students also learn about the peer review process.

*Outcomes:*

Students will utilize best practices for working safely in lab during experiments designed to include kinetics, acids & bases, buffers, and spectrophotometry

**CHEM 272 Analytical Chemistry Laboratory (2 Credit Hours)**

*Pre-requisites:* CHEM 180, CHEM 181, and MATH 131 (or MATH 161)

This course continues exposure to laboratory and chemical safety topics, scientific writing, and articulating experiment results. The course utilizes hands-on lab experiments to teach a variety of analytical methods for quantifying a diverse set of chemical species. Data analysis, calibration methods, peer review are also of focus.

*Outcomes:*

Students will utilize best practices for lab safety, demonstrate application of analytical methods in chemical analysis, articulate results through scientific writing, and explain importance of accuracy & precision of data

**CHEM 280 Environmental & Chemical Analysis (3 Credit Hours)**

*Pre-requisites:* CHEM 240 and CHEM 260; Pre- or Co-requisite: CHEM 272

Lecture and discussion course designed to create foundational knowledge and proficiency in essential chemistry concepts and skills. Topics include the chemical analytical process, sample preparation, quantitative analysis, and data evaluation and validation. These topics will expand and enhance the ability to use chemical principles to analyze various types of environmental samples.

*Outcomes:*

Students will increase their ability to use both qualitative and quantitative reasoning to follow the chemical analytical process for various types of samples encountered in the Environment, Life Sciences, and Industry

**CHEM 300 Undergraduate Research (1-6 Credit Hours)**

*Pre-requisites:* Prior consultation with the instructor and a completed agreement form; Agreement forms for this directed study course are obtained from the department office, and the completed form (signed by the student, instructor, and chairperson) must be deposited in the chemistry office before the student can register for the course

This course gives undergraduate students an opportunity to participate in research in a selected area.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will accomplish the research task defined in the contractual arrangement between the student and the instructor

**CHEM 300P Introduction to Chemistry Research (1 Credit Hour)**

*Pre-requisites:* CHEM 101 and 111 (or CHEM 105)

This two week course will focus on issues of chemical safety, research protocols, data recording, and instrumentation use. Typical course meetings will involve in-class presentations, group discussions, and hands-on experience.

*Outcomes:*

Expose students to of essential and important issues of chemical safety, research protocols, data recording, and instrumentation use for students preparing for undergraduate and graduate chemistry research

**CHEM 301 Physical Chemistry I (3 Credit Hours)**

*Pre-requisites:* (CHEM 240 and CHEM 260) or CHEM 222 or CHEM 224; and MATH 162 or 263A; and PHYS 112 or 122

Lecture and discussion course covering principles and applications of thermodynamics and kinetic theory and emphasizing the laws of thermodynamics and statistical theory and their ramifications for equilibrium and non-equilibrium systems.

*Outcomes:*

Students will acquire fundamental knowledge of work, heat, their interconversions and the relationships between entropy, free energy and heat capacity

**CHEM 302 Physical Chemistry II (3 Credit Hours)**

*Pre-requisites:* (CHEM 240 and CHEM 260) or CHEM 222 or CHEM 224; and MATH 162 or 263A; and PHYS 112 or 122

Lecture and discussion course covering principles of quantum mechanics with the applications to chemical properties and spectroscopy of atoms and molecules.

*Outcomes:*

Students will acquire fundamental knowledge of the physical laws that govern chemical processes, and learn how to apply these laws to predict the structure and properties of chemical systems

**CHEM 303 Physical Chemistry Lab I (2 Credit Hours)**

*Co-requisites:* CHEM 302

Pre or This course covers principles and techniques of experimental physical chemistry including the practice of numerical data analysis, solid-state electronics, and vacuum technology along with their applications to magnetic resonance, high-resolution spectroscopy, and chemical thermodynamics. Outcome: Students will acquire broad-based knowledge of laboratory skills central to experimental physical chemistry.

**CHEM 305 Physical Biochemistry for the Biological Sciences (3 Credit Hours)**

*Pre-requisites:* (CHEM 240 and 260) or CHEM 222 or CHEM 224, and PHYS 112, and MATH 132 or equivalent; Restricted to Biochemistry and Forensic Science majors

Lecture course covering principles and biological applications of thermodynamics, kinetics, quantum mechanics and molecular spectroscopy.

*Interdisciplinary Option:* Forensic Science

*Outcomes:*

Students will learn how fundamental concepts in physical chemistry can be used to understand biological processes

**CHEM 306 Physical Biochemistry Lab (1 Credit Hour)**

*Pre-requisites:* CHEM 305

This laboratory course will introduce apparatus, and analysis used in experimental physical chemistry for biochemistry students.

*Outcomes:*

Students will acquire broad-based knowledge of laboratory skills central to biophysical chemistry

**CHEM 307 Inorganic Chemistry (3 Credit Hours)**

*Pre-requisites:* (CHEM 240 and CHEM 242 and CHEM 260) or CHEM 222 or (CHEM 224 and CHEM 226); Restricted to Biochemistry majors

Lecture course covering atomic structure, chemical bonding, and transition metal, solid state, organometallic and bioinorganic chemistry.

*Outcomes:*

Students will learn chemical principles in important areas of inorganic chemistry

**CHEM 314 Instrumental Analysis (4 Credit Hours)**

*Pre-requisites:* (CHEM 272 and CHEM 280) or (CHEM 212, CHEM 214, and (CHEM 222 or (CHEM 224 and CHEM 226); and PHYS 112 or PHYS 122; Restricted to Chemistry majors

This course discusses and demonstrates how instrumental techniques such as atomic spectroscopy, molecular spectroscopy, mass spectrometry and chemical separations can be used to identify the chemical composition of a sample. The hands-on approach will enable students to perform instrumental analysis independently.

*Outcomes:*

Students will be able to select the most suitable analytical method to identify a sample

**CHEM 323 Medicinal Chemistry (3 Credit Hours)**

*Pre-requisites:* CHEM 361 or CHEM 370

This course examines how medicinal chemists design and synthesize drug candidates to meet FDA requirements of efficacy and safety, and how a testing strategy measures efficacy vs. toxicity comprising the therapeutic index. Topics include drug-receptor/enzyme binding, PK, ADME, patenting of IP, and the ethical aspects of pharmaceuticals.

*Outcomes:*

Students will be able explain the strategy of drug candidate analog design, synthesis, binding and inhibition constants, drug testing strategies, pharmacokinetics, structure-activity relationships (SAR), and the therapeutic index of drugs

**CHEM 340 Advanced Inorganic Chemistry (3 Credit Hours)**

*Pre-requisites:* CHEM 302

Lecture course covering modern theories of atomic and molecular structure as applied to inorganic chemistry with discussion of acid-base theories, the chemistry, spectra and reaction mechanisms of coordination and organometallic compounds. Symmetry is used to develop molecular orbital diagrams, predict geometry, hybridization schemes and interpret electronic spectra.

*Outcomes:*

Students will learn chemical principles in these areas

**CHEM 341 Advanced Inorganic Laboratory (1 Credit Hour)**

*Pre- or co-requisites:* CHEM 340

A laboratory course illustrating topics and techniques used in modern inorganic chemistry; coordination and organometallic compounds are prepared and characterized by IR, UV-Vis and NMR spectroscopy, and magnetic susceptibility measurements. All experimental work is recorded in a laboratory notebook and includes a formal written report.

*Outcomes:*

Students will demonstrate success in lab by making perceptive qualitative observations and accurate quantitative measurements

**CHEM 361 Principles of Biochemistry (3 Credit Hours)**

*Pre-requisites:* CHEM 222 or CHEM 224 or (CHEM 240 pre-req and CHEM 260 co-req)

This course examines the structural/ functional relationships in proteins, nucleic acids, carbohydrates and lipids as well as their metabolic pathways. CHEM 361 is cross-listed with BIOL 366. CHEM 361 may not count towards CHEM-BS, BIOC-BS, or BIOC-BA degrees. These students must take CHEM 370.

*Interdisciplinary Option:* Bioinformatics

*Course equivalencies:* X-BIOL366/BIOL366/CHEM361

*Outcomes:*

Students will be able to demonstrate an understanding of biological molecules and how they are metabolized

**CHEM 365 Proteomics (3 Credit Hours)**

*Pre-requisites:* CHEM 361 or CHEM 370

Proteomics describes and deciphers the protein structures that are the result of biochemical interactions encoded in a genome. To understand these processes, proteins have to be identified, sequenced, categorized, and classified with respect to their function and interaction in a protein network. This course will teach students how to characterize functional protein networks, examine their dynamic alteration during physiological and pathological processes. The course will also cover techniques to analyze and identify proteins using protein databases and study protein to protein interactions in the discover of drugs for diseases.

*Interdisciplinary Option:* Bioinformatics

*Course equivalencies:* CHEM365/BIOL386

**CHEM 370 Biochemistry I (3 Credit Hours)**

*Pre-requisites:* CHEM 222 or (CHEM 224 and CHEM 226) or (CHEM 240 and CHEM 242 pre-req, and CHEM 260 co-req); Restricted to Chemistry and Biochemistry majors

This is the first part of a two-semester Biochemistry series that emphasizes important biochemical concepts on the structure and function of proteins, enzymes, carbohydrates, lipids and cell membranes as well as on the bioenergetic and regulatory principles behind the central and carbohydrate pathways. Chemistry and Biochemistry majors must take CHEM 370. CHEM 361 may not count towards CHEM-BS, BIOC-BS, or BIOC-BA degrees.

*Course equivalencies:* X- CHEM 370/CHEM 470

*Outcomes:*

Students will be able to demonstrate an understanding of structural-functional relationships in biological molecules and how carbohydrates are metabolized

**CHEM 371 Biochemistry II (3 Credit Hours)**

*Pre-requisites:* CHEM 370

This is the second part of a two-semester Biochemistry lecture series that emphasizes important biochemical concepts on lipid, amino acid and nucleotide metabolic pathways as well as the structure and function of nucleic acids. Special topics on sensory systems, motility, immunology and drug development will also be discussed.

*Outcomes:*

Students will be able to demonstrate an understanding of metabolic pathways and of current research topics in biochemistry

**CHEM 372 Biochemistry Laboratory I (2 Credit Hours)**

*Pre-requisites:* CHEM 242 or CHEM 222 or CHEM 226; and (CHEM 260 and CHEM 272) or (CHEM 212 and CHEM 214); and CHEM 370; Restricted to Biochemistry majors

This laboratory is designed to simulate a research experience and to teach basic techniques utilized in a biochemistry laboratory. The course theme involves a comparative investigation of the enzyme glyceraldehyde-3-phosphate dehydrogenase (GAPDH) from various animal sources. All procedures required in lab will be found by the student in the library and proposed to the instructor(s) as a pre-lab exercise. Each two-student team will be working on GAPDH from either an aquatic or land animal source, e.g., trout, tuna, pork beef or chicken.

*Outcomes:*

Students will be able to purify and characterize an enzyme in a research context

**CHEM 373 Biochemistry Laboratory II (2 Credit Hours)**

This laboratory course is designed to simulate a research project in which molecular biology techniques and biochemistry are integrated. Those techniques are used as important tools to help solve questions in enzyme structure and function. The course theme involves an investigation on the relationship between protein structure and function of the ADP-glucose pyrophosphorylase (ADP-Glc PPase) from *Escherichia coli*. All procedure required in lab will be found by the student in the library and proposed to the instructor(s) as a pre-lab exercise. Each two-student team will be working on a specific ADP-Glc PPase that has been previously obtained in a recombinant form. Their genes will be provided in a plasmid form. The student will learn strategies to produce and test a hypothesis in this area. Additionally, the student will learn how to integrate molecular biology techniques and biochemistry.

*Outcomes:*

Students will study the basic concepts of enzyme structure relationships and how to investigate them

**CHEM 380 Chemistry Seminar (1 Credit Hour)***Pre-requisites:* CHEM 240 or CHEM 222 or CHEM 224

A weekly seminar course with presentations, generally given by outside speakers, covering topics in chemistry usually not encountered in the classroom.

*Outcomes:*

Students will demonstrate their understanding by writing a one page summary of each presentation

**CHEM 385 Advanced Enzyme Kinetics and Mechanisms (3 Credit Hours)***Pre-requisites:* CHEM 370

The major themes in this course will be topics that are related to modern enzymology. The structure of this course will involve lectures by Dr. Ballicora for each topic, and discussion with the students.

*Outcomes:*

Students will be able to understand enzyme mechanisms and be able to make oral presentations on recently published articles

**CHEM 386 The Chemistry of Enzymes (3 Credit Hours)***Pre-requisites:* CHEM 370, restricted to Biochemistry majors

The course describes the chemical strategies employed by enzymes to accelerate reactions combined with an examination of the specialized methods employed to study enzyme chemistry. The course is lecture based with concurrent problems sets. The course content will focus on deductive reasoning to understand what is observed how best analyze data obtained from the study of enzymes.

*Outcomes:*

Students will gain an understanding of transient state chemical kinetics as it pertains to the study of enzymes

**CHEM 387 Plant Biochemistry (3 Credit Hours)***Pre-requisites:* CHEM 370

The major themes in this course will be about topics that are related to plant biochemistry and metabolism. The structure of the course will involve lectures for each topic, with discussion with the students. Students will learn how plants and photosynthetic organisms acquire and process energy. Plant metabolism will constitute a central part of the course, focusing on the main differences from other living organisms. A solid understanding of plant metabolism will inspire the student to think about all the possibilities that plant biochemistry and biotechnology offer to solve critical problems, such as malnutrition, global climate change, drug discovery, and infectious diseases.

*Outcomes:*

Students will be able to understand how knowledge of plant biochemistry is important in many areas, including medicine, nutrition and climate change

**CHEM 388 Biophysical Chemistry (3 Credit Hours)***Pre-requisites:* CHEM 361 or 370

Survey of experimental methods for the physicochemical characterization of biomolecules. Topics include electrophoresis, mass spectrometry, calorimetry, optical spectroscopy, NMR, and X-ray crystallography.

*Outcomes:*

Students will have a conceptual understanding of different experimental methods for the physicochemical characterization of biomolecules and will be able to evaluate utility and limitations of the different approaches

**CHEM 395 Special Topics in Chemistry (0-3 Credit Hours)***Pre-requisites:* Satisfactory progress toward completion of the core chemistry courses, and junior or senior status

Course content varies from semester to semester and has included advanced topics in analytical, inorganic, organic, physical, and biochemistry.

*Outcomes:*

Students will acquire an advanced understanding of a selected topic in chemistry

**CHEM 395B Bioethics Minor Capstone: Chemical Topics (3 Credit Hours)***Pre-requisites:* Two Science courses and two Ethics courses

This course number will only be used when CHEM 395 is tagged with the Bioethics Minor Capstone course.

*Interdisciplinary Option:* Bioethics*Outcomes:*

Students will understand the connection between ethical and chemical issues with regard to the special topic in chemistry

**CHEM 396 Special Topics in Biochemistry (1-3 Credit Hours)**

1) Course content varies from semester to semester and includes advanced topics in biochemistry. 2) Satisfactory progress toward completion of the core chemistry courses, and junior or senior status. 3) Students will acquire an advanced understanding of a selected topic in biochemistry.

**CHEM 399 Internship in Biochemistry or Chemistry (2-3 Credit Hours)**

A supervised field placement to give students training or work experience in aspects of biochemistry or chemistry that are not commonly available on campus. Students will work outside the classroom (e.g. industrial setting or national lab) applying and extending their biochemistry or chemistry skills, typically for at least 150 hours to receive 3 credits or for more than 100 hours for 2 credits. Permission of faculty advisor Students must complete a total of 3 credits to receive engaged learning credit. This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will acquire practical experience in biochemistry or chemistry related job settings

## Chinese (CHIN)

**CHIN 101 Chinese I (3 Credit Hours)**

This is an introductory course in Modern Standard Chinese (Mandarin) for students with none or little prior experience in Chinese. This course introduces the four basic communicative skills in Chinese: listening, speaking, reading and writing, and emphasizes on conversation. They will be able to understand and respond to greetings, as well as talk about family members, time, hobbies and friends. They will learn nearly 200 characters.

*Interdisciplinary Option:* Asian Studies, Chinese Language & Culture*Course equivalencies:* X-CHIN101/ASIAC01*Outcomes:*

Students will achieve active control of Chinese sound system and writing system



**CHIN 102 Chinese II (3 Credit Hours)**

*Pre-requisites:* CHIN 101

CHIN 102 is a continuation of CHIN 101. Students will expand their knowledge of Chinese characters, vocabulary and grammar, improve their skills on listening, speaking, reading, and writing skills, and learn more cultural knowledge. Aside from dialogues, they will also read a short dairy and a letter. They will learn some 200 new characters.

*Interdisciplinary Option:* Asian Studies, Chinese Language & Culture

*Course equivalencies:* X-CHIN102/ASIAC02

*Outcomes:*

Students will be able to make appointments, talk about Chinese learning experience, school life, shopping, weather and transportation

**CHIN 103 Chinese III (3 Credit Hours)**

*Pre-requisites:* CHIN 102

CHIN 103 builds on the knowledge and skills gained in CHIN 101-CHIN 102. This course develops conversational skills by using fundamental grammatical patterns and vocabulary in functional contexts.

*Interdisciplinary Option:* Asian Studies, Chinese Language & Culture

*Course equivalencies:* X-CHIN103/ASIAC03

*Outcomes:*

Students will learn dialogues used in the contexts of dinning out, studying in library, asking directions, attending birthday party, seeing a doctor, and dating

**CHIN 104 Chinese IV (3 Credit Hours)**

*Pre-requisites:* CHIN 103

CHIN 104 is the continuation of CHIN 103. This course further extends students' knowledge of Chinese vocabulary and grammar, and improves their skills in listening, speaking, reading, and writing.

*Interdisciplinary Option:* Asian Studies, Chinese Language & Culture

*Course equivalencies:* X-CHIN104/ASIAC04

*Outcomes:*

Students will learn expressions in the contexts of renting an apartment, mailing a letter and traveling in both mainland China and Taiwan, talking about hometown and sports, and checking in at the airport

**CHIN 190 Business Chinese I (3 Credit Hours)**

*Pre-requisites:* CHIN 101

Business Chinese I is primarily intended for students who are interested in pursuing a career that may involve working in China or doing business with Chinese corporate partners. Examples of topics include meeting with a manager, being introduced to colleagues, and attending social events.

*Interdisciplinary Option:* Chinese Language & Culture

*Outcomes:*

1) An expanded vocabulary (500-600 characters in total); 2) deeper knowledge of Chinese grammar; and 3) a multi-faceted introduction to Chinese business culture

**CHIN 191 Business Chinese II (3 Credit Hours)**

As a follow-on course to Business Chinese I (CHIN 190), this course is primarily intended for students who are interested in pursuing a career that may involve working in China or doing business with Chinese corporate partners. In CHIN 191, all the topics are practical for a "real world" business environment, for instance, making an appointment, visiting a company, introducing production facilities and products, dining etiquette, and socializing with colleagues after work.

*Outcomes:*

Upon completion of Business Chinese II, the student should have 1) an expanded vocabulary frequently encountered in a business environment, 2) deeper knowledge of Chinese syntax (sentence patterns and habitual usages), morphology (character construction and combinations), and other aspects of grammar (eg, verb tense markers, positioning of prepositional phrases and adverbials), and 3) a multifaceted introduction to Chinese business culture

**CHIN 250 Composition and Conversation (3 Credit Hours)**

*Pre-requisites:* CHIN 104

This course focuses on different aspects of Chinese life and society, enhancing students' ability to understand Chinese culture and Chinese ways of socializing, thinking, lifestyle, etc.

*Interdisciplinary Option:* Chinese Language & Culture

*Outcomes:*

Students will increase their vocabulary and improve their ability to compose formal speech and carry on discussions

**CHIN 251 Advanced Composition & Conversation (3 Credit Hours)**

*Pre-requisites:* CHIN 250

This course focuses contemporary aspects of Chinese life and society.

*Interdisciplinary Option:* Chinese Language & Culture

*Outcomes:*

Students will increase their vocabulary and improve their ability to compose formal speech and carry on discussions

**CHIN 252 Advanced Composition and Conversation II (3 Credit Hours)**

*Pre-requisites:* Students must have completed CHIN 251 or equivalent

In this course students will further expand their vocabulary, acquire more-advanced grammatical structures and usage patterns, learn to communicate in Chinese both in the classroom and in social settings and deepen their understanding of Chinese culture.

*Interdisciplinary Option:* Chinese Language & Culture

*Outcomes:*

Students will be able to further enhance their listening, reading, speaking and writing skills as well as appreciate the cultural nuances of the Chinese language

**CHIN 253 Advanced Composition and Conversation III (3 Credit Hours)**

*Pre-requisites:* Students must have completed CHIN 252 or equivalent

In this course students will further expand their vocabulary, acquire more-advanced grammatical structures and usage patterns, learn to communicate in Chinese both in the classroom and in social settings and deepen their understanding of Chinese culture.

*Interdisciplinary Option:* Chinese Language & Culture

*Outcomes:*

Students will be able to further enhance their listening, reading, speaking and writing skills as well as appreciate the cultural nuances of the Chinese language

**CHIN 260 Intensive Advanced Chinese I (3 Credit Hours)**

This course is for those who have taken three year of Chinese at the college level. The student will gain advanced skills in speaking, reading, and writing Chinese and explore a broad range of topics related to Chinese culture.

*Interdisciplinary Option:* Chinese Language & Culture

**CHIN 261 Intensive Advanced Chinese II (3 Credit Hours)**

This is a follow-on course to CHIN 260. The student will continue to gain advanced skills in speaking, reading, and writing Chinese and explore a broad range of topics related to Chinese culture.

*Interdisciplinary Option:* Chinese Language & Culture

**CHIN 314 Modern Chinese Literature in Chinese (3 Credit Hours)**

This course is a survey of modern Chinese literature from 1918 to the present. It requires the close reading of famous Chinese writers and poets as well as some of the avant-garde writers. Students will have the opportunity to explore their own ideas of the aesthetic characteristics of the Chinese literature in the 20th century, as well as its historical and social background and learn about one of the important aspects of modern Chinese culture.

*Outcomes:*

Students will demonstrate knowledge of principal, genres, themes and forms of modern Chinese literature through analytical oral and written arguments

**CHIN 340 Modern Chinese Fiction (3 Credit Hours)**

This course introduces Chinese literature from historical and modern periods. Readings will be in Chinese and may include novels, short stories, poems, and folklore.

**CHIN 341 Modern Chinese Literature in Chinese (3 Credit Hours)**

This course is a survey of modern Chinese literature from 1918 to the present. It requires the close reading of famous Chinese writers and poets as well as some of the avant-garde writers. Students will have the opportunity to explore their own ideas of the aesthetic characteristics of the Chinese literature in the 20th century, as well as its historical and social background and learn about one of the important aspects of modern Chinese culture.

*Interdisciplinary Option:* Asian Studies, Chinese Language & Culture, Global Studies

*Course equivalencies:* X-CHIN341/ASIA314/INTS341A

*Outcomes:*

Students will demonstrate knowledge of principal, genres, themes and forms of modern Chinese literature through analytical oral and written arguments

**CHIN 360 Advanced Conversational Chinese I (3 Credit Hours)**

This course focuses on advanced conversational skills for those who have taken a minimum of three years of Chinese.

**CHIN 361 Advanced Conversational Chinese II (4 Credit Hours)**

This is a follow-on course to CHIN 360 for those wishing to gain more advanced conversational skills in Chinese.

*Interdisciplinary Option:* Chinese Language & Culture

**CHIN 395 Tutorial (1-6 Credit Hours)**

This independent study course provides an opportunity to explore a topic of interest to the student related to Chinese language and culture under the guidance of a faculty member.

## Classical Civilization (CLST)

**CLST 206 Art of Ancient Greece (3 Credit Hours)**

This course is an introduction to the art of the ancient Greek world from the Bronze Age through the Hellenistic period (to c. 50 B.C.E.), focusing on major trends and developments in Classical Greek architecture, sculpture, pottery and painting through close study of individual examples.

*Knowledge Area:* Artistic Knowledge and Experience

*Interdisciplinary Option:* European Studies, Italian Studies

*Course equivalencies:* X-CLST206/FNAR336

*Outcomes:*

Students should be able to recognize and interpret selected examples of ancient Greek art, including painting, sculpture, architecture, and other types; they should be able to apply their art-critical and appreciation skills to other types of art

**CLST 207 Art of the Roman World (3 Credit Hours)**

This course is an introduction to the art of the Roman world from c. 3000 B.C.E. to c. the fifth century CE. It focuses on major trends and developments in Etruscan, Roman and later Greek art, including architecture, painting, mosaic, and sculpture through close study of individual examples.

*Knowledge Area:* Artistic Knowledge and Experience

*Interdisciplinary Option:* European Studies, Italian Studies

*Course equivalencies:* X-CLST207/FNAR337/ROST307

*Outcomes:*

Students should be able to recognize and be able to interpret selected examples of ancient Roman art, including painting, mosaic, sculpture, architecture, and other types; they will be able to apply their art-critical and appreciation skills to other types of art

**CLST 241 Religions of Ancient Greece (3 Credit Hours)**

This course examines the beliefs and practices in ancient Greek religion by studying the written, artistic, and archaeological evidence for their forms and functions and the environment in which they flourished.

*Interdisciplinary Option:* European Studies

*Course equivalencies:* CLST241/CLST371

*Outcomes:*

Students will be able to demonstrate understanding of ancient Greek religions

**CLST 267 Medical and Scientific Terminology in Context (3 Credit Hours)**

This course focuses on the ancient Greek and Latin roots of terminology relating to the sciences, specifically, medical science. The development and changes in the scientific paradigm are explored through readings in translation of a variety of ancient Greek and Roman thinkers.

*Outcomes:*

Students should be able to demonstrate knowledge and better understanding of the language of modern science

**CLST 271 Classical Mythology (3 Credit Hours)**

*Pre-requisites:* UCLR 100, UCLR 100C, UCLR 100E, UCLR 100M, or equivalent; please check requirements for declared majors/minors for exceptions

This course focuses on Greek and Roman literature involving myth and how ancient and modern peoples use traditional narratives, characters, images and conceptions to explore, explain, and experiment with ideas about themselves and their surroundings in their historical, social, cultural and intellectual contexts.

*Knowledge Area:* Tier 2 Literary Knowledge

*Interdisciplinary Option:* European Studies, Shakespeare Studies

*Course equivalencies:* CLST271/CLST271G

*Outcomes:*

Students should be able to demonstrate knowledge of the fundamental myths of the ancient Greek and Roman world, their language and possible meanings, and how myth reflected important collective and individual concerns, values, beliefs, and practices then, even as modern myth does now

**CLST 271G Classical Mythology - Women/Gender Focus (3 Credit Hours)**

*Pre-requisites:* UCLR 100, UCLR 100C, UCLR 100E, UCLR 100M, or equivalent; please check requirements for declared majors/minors for exceptions

This course examines Greek and Roman literature involving myth and how peoples use traditional narratives and characters to explain and experiment with ideas about themselves and their surroundings in their historical, social, cultural and intellectual contexts. CLST 271G focuses, within this field, on concerns of women's studies and gender studies.

*Knowledge Area:* Tier 2 Literary Knowledge

*Interdisciplinary Option:* European Studies, Shakespeare Studies, Women & Gender Studies

*Course equivalencies:* CLST271/CLST271G

*Outcomes:*

Students should be able to demonstrate knowledge of the fundamental myths of the ancient Greek and Roman world, their language and possible meanings, and how myth reflected important collective and individual concerns, values, beliefs, and practices then, even as modern myth does now

**CLST 271R Classical Mythology - Rome Focus (3 Credit Hours)**

*Pre-requisites:* UCLR 100, UCLR 100C, UCLR 100E, UCLR 100M, or equivalent; please check requirements for declared majors/minors for exceptions

This course focuses on Greek and (especially) Roman literature involving myth and how ancient and modern peoples use traditional narratives, characters, images and conceptions to explore, explain, and experiment with ideas about themselves and their surroundings in their historical, social, cultural and intellectual contexts. Students should be able to demonstrate knowledge of the fundamental myths of the ancient Greek and Roman world, their language and possible meanings, and how myth reflected important collective and individual concerns, values, beliefs, and practices then, even as modern myth does now.

*Interdisciplinary Option:* European Studies

*Course equivalencies:* CLST271/CLST271G

*Outcomes:*

Students will gain factual knowledge of the essential characters and basic narratives of the most important myths of ancient Greece and Rome; Students will gain a broader understanding and appreciation of intellectual and cultural activity through Classical myth as simultaneously fixed and mutable narrative, one which depends on unchanging elements as it is refracted through different genres, authors, and time periods; Students will gain basic knowledge of modern myth theory as well as awareness of both its broad categorization and the difficulty of a universal definition of myth; Students will be able to analyze and evaluate critically particular versions of myths in their cultural and historical context as well as in reference to other versions of the same stories from different contexts; Students will be able to interpret myths using modern myth theories and to recognize the use of myth as consciousness-raising in religious contexts; Students will learn to apply course material to improve thinking by contextualizing their own moral sensibilities and aesthetic preferences by comparing the archetypes of ancient myths with modern archetypes

**CLST 272 Heroes & the Classical Epics (3 Credit Hours)**

*Pre-requisites:* UCLR 100, UCLR 100C, UCLR 100E, UCLR 100M, or equivalent; please check requirements for declared majors/minors for exceptions

This course centers upon the epics of the ancient Mediterranean world, their nature and significance, and, especially, the concepts of heroes and heroism.

*Knowledge Area:* Tier 2 Literary Knowledge

*Interdisciplinary Option:* European Studies

*Outcomes:*

Students should be able to demonstrate knowledge of ancient epic as a literary genre, what heroes are and why they are featured in epics, and how epics began and evolved to reflect audiences and their social, cultural, political and other concerns, values (such as leadership) beliefs and practices

**CLST 273 Classical Tragedy (3 Credit Hours)**

*Pre-requisites:* UCLR 100, UCLR 100C, UCLR 100E, UCLR 100M, or equivalent; please check requirements for declared majors/minors for exceptions

This course introduces students to extant Greek tragic drama, especially through the works of Aeschylus, Sophocles and Euripides.

*Knowledge Area:* Tier 2 Literary Knowledge

*Interdisciplinary Option:* European Studies, Shakespeare Studies

*Course equivalencies:* CLST273/CLST273G

*Outcomes:*

Students should be able to demonstrate knowledge of plot, characters and themes in Greek drama; understanding of the historical, social and cultural conditions implicated with each work; comprehension of concerns and values contained in them, such as justice, and how these are mirrored in modern literature and drama

**CLST 273G Classical Tragedy - Women/Gender Focus (3 Credit Hours)**

*Pre-requisites:* UCLR 100, UCLR 100C, UCLR 100E, UCLR 100M, or equivalent; please check requirements for declared majors/minors for exceptions

This course introduces students to extant Greek tragic drama, especially through the works of Aeschylus, Sophocles and Euripides. CLST 273G focuses, within this field, on concerns of women's studies and gender studies.

*Knowledge Area:* Tier 2 Literary Knowledge

*Interdisciplinary Option:* European Studies, Shakespeare Studies, Women & Gender Studies

*Course equivalencies:* CLST273/CLST273G

**CLST 274 World of Archaic Greece (3 Credit Hours)**

*Pre-requisites:* HIST 101, HIST 102, HIST 103, HIST 104, or equivalent; please check requirements for declared majors/minors for exceptions

This course investigates the history, literature, art, culture and society of Archaic Greece (c. 750-480 B.C.E.), the precursor of Classical Greece and western civilization.

*Knowledge Area:* Tier 2 Historical Knowledge

*Interdisciplinary Option:* European Studies

*Outcomes:*

Students should be able to demonstrate knowledge about the significant political, cultural and social accomplishments, events, institutions, trends, questions, and concerns, and the major figures of the age

**CLST 275 World of Classical Greece (3 Credit Hours)**

*Pre-requisites:* HIST 101, HIST 102, HIST 103, HIST 104, or equivalent; please check requirements for declared majors/minors for exceptions

The course investigates the history, literature, art, culture and society of Classical Greece (c. 480 B.C.E. to c. 300 B.C.E.), the origin of so much that has impacted western civilization; its primary focus is Athens in the fifth and fourth centuries B.C.E.

*Knowledge Area:* Tier 2 Historical Knowledge

*Interdisciplinary Option:* European Studies, Shakespeare Studies

*Outcomes:*

Students should be able to demonstrate knowledge about the significant political, cultural and social accomplishments, events, institutions, trends, questions, concerns, and the major figures of the age

**CLST 276 World of Classical Rome (3 Credit Hours)**

*Pre-requisites:* HIST 101, HIST 102, HIST 103, HIST 104, or equivalent; please check requirements for declared majors/minors for exceptions

This course investigates the historical development of the Roman people through study of their history, politics, society and culture especially in the 1st centuries B.C.E. and C.E., the turning points of Republican and Imperial Rome.

*Knowledge Area:* Tier 2 Historical Knowledge

*Interdisciplinary Option:* European Studies, Italian Studies, Shakespeare Studies

*Course equivalencies:* CLST276/ROST276

*Outcomes:*

Students should be able to demonstrate knowledge about the significant political, cultural and social accomplishments, events, institutions, trends, questions, and concerns, and the major figures of the age

**CLST 277 World of Late Antiquity (3 Credit Hours)**

*Pre-requisites:* HIST 101, HIST 102, HIST 103, HIST 104, or equivalent; please check requirements for declared majors/minors for exceptions

This course investigates the historical development of the Roman Empire in the 3rd to 5th centuries C.E. when the Mediterranean basin and Europe re-evaluated their classical past and decisively set their course toward Medieval and later governmental, religious and cultural history.

*Knowledge Area:* Tier 2 Historical Knowledge

*Interdisciplinary Option:* European Studies, Italian Studies

*Outcomes:*

Students should be able to demonstrate knowledge about the significant political, cultural and social accomplishments, events, institutions, trends, questions, and concerns, and the major figures of the age

**CLST 278 Experiencing Mesopotamia (3 Credit Hours)**

This course introduces daily life in Ancient Mesopotamia. Students will become acquainted with the ways in which individuals experienced family, government, sports, art, and societal interaction in the "cradle of civilization."

*Interdisciplinary Option:* Islamic World Studies

*Outcomes:*

Students will understand the emergence of certain aspects of daily life in the world's first civilizations and be able to contextualize these developments within the Mesopotamian political and social sphere

**CLST 279 Classical Rhetoric (3 Credit Hours)**

*Pre-requisites:* UCLR 100, UCLR 100C, UCLR 100E, UCLR 100M, or equivalent; please check requirements for declared majors/minors for exceptions

This course explores how ancient Greeks and Romans practiced and interrogated the 'craft of speech' (rhetorike technē), specifically persuasive speech, especially as it would be delivered in public settings.

*Knowledge Area:* Tier 2 Literary Knowledge

*Outcomes:*

Students will learn to assess the relationship of Classical rhetorical literature to the world that produced and used it



**CLST 280 Romance Novel in Ancient World (3 Credit Hours)**

*Pre-requisites:* UCLR 100, UCLR 100C, UCLR 100E, UCLR 100M, or equivalent; please check requirements for declared majors/minors for exceptions

This course introduces students to the ancient masterworks of Greek and Roman fiction in the form of the novel.

*Knowledge Area:* Tier 2 Literary Knowledge

*Interdisciplinary Option:* Shakespeare Studies

*Outcomes:*

Students should be able to appreciate and explain the ancient romance novel, including the components of structure, characterization, theme, narrative technique, style, and meaning

**CLST 281 War and War Experience, Ancient and Modern (3 Credit Hours)**

This course focuses upon the institution of war and its effects upon individuals, especially in ancient Greece and modern times.

*Interdisciplinary Option:* Peace, Justice, and Conflict Studies

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students should be able to understand better and demonstrate knowledge of the many levels of active and passive war experience, including participant/observer, combatant/non-combatant, and various groups in and out of war, ancient and modern

**CLST 283 Classical Comedy & Satire (3 Credit Hours)**

*Pre-requisites:* UCLR 100, UCLR 100C, UCLR 100E, UCLR 100M, or equivalent; please check requirements for declared majors/minors for exceptions

In this course, students engage with great literary works of the ancient world that combine social criticism with humor.

*Knowledge Area:* Tier 2 Literary Knowledge

*Interdisciplinary Option:* Shakespeare Studies

*Outcomes:*

Students should be able to demonstrate knowledge of such authors as Aristophanes, Menander, Terence, and Petronius, and their works, including the components of plot, characters and themes in the main works of ancient comedy and satire; as well as understanding of the historical, social and cultural conditions implicated with each work

**CLST 288 Greek Literature in Translation (3 Credit Hours)**

Students study a selected range of masterworks in ancient Greek literature. (This is a special topics course.)

*Outcomes:*

Students should be able to demonstrate deeper knowledge and understanding of selected Greek literature and its possible interpretations

**CLST 289 Latin Literature in Translation (3 Credit Hours)**

Students study a selected range of masterworks in Latin literature. (This is a special topics course.)

*Course equivalencies:* X-CLST289/ROST289

*Outcomes:*

Students should be able to demonstrate deeper knowledge and understanding of selected Latin literature and its possible interpretations

**CLST 295 Women in the Classical World (3 Credit Hours)**

This course investigates the social roles available to women in the ancient Greek and Roman worlds, together with beliefs, behaviors, and cultural expressions supporting ancient Greek and Roman constructions of womanhood.

*Interdisciplinary Option:* Italian Studies, Women & Gender Studies

*Course equivalencies:* X-CLST295/WOST295/WSGS295

*Outcomes:*

Students should be able to identify and discuss distinctive Classical patterns of thought and behavior regarding women and gender

**CLST 304 History of Ancient Philosophy (3 Credit Hours)**

See PHIL 304: The History of Ancient Philosophy

*Interdisciplinary Option:* European Studies

*Course equivalencies:* X-PHIL304/CLST304

**CLST 305 Ancient Political Thought (3 Credit Hours)**

See Ancient Political Thought. (PLSC 304)

**CLST 306 Science in Ancient Greece and Rome (3 Credit Hours)**

This course will focus on the origins of scientific thought and the scientific method in the Classical world and broader Mediterranean. We will survey the attitudes of Greeks and Romans towards physics, biology, evolution, medicine, and animal behavior, and ask why science emerged in Greece and Rome in the first place.

*Outcomes:*

Students will learn about the history of ideas of nature, physics, biology, medicine, and animal behavior in Ancient Greece, Rome, and the broader Mediterranean

**CLST 308 History of Rome to Constantine (3 Credit Hours)**

See HIST 308A: Roman History to Constantine

*Interdisciplinary Option:* Catholic Studies, European Studies

*Course equivalencies:* X-CLST308/HIST308/ROST308

**CLST 309 Greece to Alexander the Great (3 Credit Hours)**

See HIST 307: Greece to Alexander the Great

*Interdisciplinary Option:* European Studies

*Course equivalencies:* X-CLST309/HIST307

**CLST 315 Alexander & Hellenistic World (3 Credit Hours)**

This course centers on the history, literature, art, culture and society of the Hellenistic world from 336 to c. 31 B.C.E. and assays the impact of Alexander the Great particularly in the eastern Mediterranean, the site of the kingdoms established by the successors of Alexander; a particular focus is Egypt and its capital, Alexandria.

*Interdisciplinary Option:* European Studies

*Outcomes:*

Students should be able to demonstrate knowledge about the significant political, cultural and social events, institutions, questions, and concerns, and the major figures of the age

**CLST 316 Western Patristic Thought (3 Credit Hours)**

This course centers on first-hand study of the leading voices of early Christianity in the western portion of the Roman Empire, from the first century C.E. to Augustine.

*Interdisciplinary Option:* European Studies

*Course equivalencies:* X-CLST316/THEO316

*Outcomes:*

Students should be able to demonstrate detailed knowledge about the western Church fathers, their works, and the impact of these upon the Church and its teachings

**CLST 318 Transformations of Rome in Late Antiquity (3 Credit Hours)**

This course focuses on the City of Rome itself from the third century up to the reign of Charlemagne. It demonstrates that this period was a time of gradual transformation and continuity. Both literary sources and the archaeology and epigraphy of the City shall be combined to show that barbarian invasions did not destroy the walls of Rome, and that the arrival of Christianity did not cause the fall of classical culture.

*Interdisciplinary Option:* European Studies, German Studies

*Course equivalencies:* HIST 339/CLST 318

*Outcomes:*

Students will be able to demonstrate an understanding of the working of historical mechanisms, evaluate and critically analyze this historical period

**CLST 324 Shipwreck Archaeology (3 Credit Hours)**

Students study how the technology of scuba diving combined with scientific archaeology has created a new discipline of shipwreck archaeology since the 1960s. They follow the history of the discipline and explore shipwrecks from Bronze Age Greece to nineteenth-century Chicago.

*Course equivalencies:* XHIST324MSTU330ANTH347CLST324

*Outcomes:*

Students understand the importance of vessels conserved at Skuldelev, Lake Nemi and Uluburun for tracing the development of commerce and technology among the Vikings, the Romans, and the Syro-Palestinians of the Levant; They synthesize the research and conclusions of nautical archaeologists worldwide and organize those findings for presentation to a broader public in the coherent and imaginative form of their own Museum

**CLST 328 Pompeii and Herculaneum (3 Credit Hours)**

The two best known Roman towns - Pompeii and Herculaneum - whose remains were preserved by the eruption of Mt. Vesuvius in 79 CE - will serve as a microcosm for understanding Roman society.

*Interdisciplinary Option:* European Studies

*Course equivalencies:* HIST328/CLST328/ANTH328

*Outcomes:*

Students will gain an understanding of how recent archaeological discoveries have changed our view of Pompeii and Herculaneum and learn to "read" such things as dining and bathing rituals, gladiator games, and public and private architecture to gain insight into the structures of Roman social and cultural life

**CLST 334 Intro to Classical Archeology (3 Credit Hours)**

This course focuses on the main explorations and achievements in the recovery of monuments of the ancient Greco-Roman world and on the methodologies involved with the recoveries.

*Interdisciplinary Option:* European Studies

*Course equivalencies:* X-ANTH334/CLST334

*Outcomes:*

Students should be able to recognize and interpret selected sites and monuments of the Greco-Roman world; They should be able to demonstrate knowledge of methodologies and the technical vocabulary of classical archaeology

**CLST 334R Introduction to Classical Archaeology - Rome/Italy Focus (3 Credit Hours)**

This course focuses on the main explorations and achievements in the recovery of monuments of the ancient Greco-Roman world, particularly in Rome and Italy, and on the methodologies involved with the recoveries.

*Interdisciplinary Option:* Italian Studies

*Course equivalencies:* X-ANTH334/CLST334

*Outcomes:*

Students should be able to recognize and interpret selected sites and monuments of the Greco-Roman world; They should be able to demonstrate knowledge of methodologies and the technical vocabulary of classical archaeology

**CLST 340 Classical Arch-Greek Temples (3 Credit Hours)**

This course centers on the art and architecture of selected ancient Greek temples and upon the methodologies involved with their study and understanding.

*Course equivalencies:* X-ANTH340/CLST340

*Outcomes:*

Students should be able to recognize and interpret selected Greek temples and demonstrate knowledge of the methodologies and technical vocabulary associated with them

**CLST 342 Geography of The Ancient World (3 Credit Hours)**

This course focuses on the history of, ideas relating to, and expressions about the geography of the ancient Greco-Roman world as a background for the study of the ancient Mediterranean world.

*Outcomes:*

Students should be able to demonstrate knowledge of the significant authors, texts, and concepts relating to ancient Mediterranean geography; They should be able to demonstrate good comprehension of technical terms associated with that geography

**CLST 344 Ancient Greek and Roman Coins (3 Credit Hours)**

This course centers on the numismatics of the ancient Mediterranean world and upon coins as sources for the history, art, epigraphy and mythology of ancient Greece and Rome.

*Outcomes:*

Students should be able to recognize, assess and interpret various types of Greek and Roman coins; They should be able to demonstrate good comprehension of technical terms associated with ancient Mediterranean numismatics

**CLST 348 Introduction to Museum Studies (3 Credit Hours)**

In collecting, preserving, interpreting, and presenting items of material cultures, as the 20th century recognized and reconsidered, museums function as mass-media, social "tracers" as well as "objects-subjects" for economic and political elaboration. This course introduces students to relevant concerns of objects, conceptualization and communication, scholarship, cultural property, and identity.

*Outcomes:*

Students will gain understanding of how museums conserve cultural artefacts, serve academic research, educate specialist and non-specialist audiences, and focus social energy in local and touristic communities

**CLST 361 Roman Political Theory & Practice (3 Credit Hours)**

This course investigates the history, scope, principles and components of ancient Roman political institutions from earliest times to that of Justinian., as well as the legal appurtenances of those constituents.

*Interdisciplinary Option:* European Studies, Sociolegal Studies

*Course equivalencies:* X-CLST361/ROST361

*Outcomes:*

Students should be able to explain constituents of Roman civil and legislative procedure, including assemblies, magistracies, courts, etc

**CLST 362 Roman Law (3 Credit Hours)**

This course investigates the history, scope, principles, and components of Roman civil and private law from the archaic period to Justinian's codification.

*Interdisciplinary Option:* European Studies, Sociolegal Studies

*Course equivalencies:* X-CLST362/PLSC371/ROST362

*Outcomes:*

Students should be able to explain Roman legal and civil procedure, including the legal concepts of property, the person, family law, and legal obligations and issues, including contracts, civil wrongs, etc

**CLST 363 Law & Legislature-Ancient Greece (3 Credit Hours)**

This course investigates the history, scope, principles and components of ancient Greek law and legislation from Homeric times through the Classical Period., especially in Classical Athens.

*Interdisciplinary Option:* European Studies, Sociolegal Studies

*Outcomes:*

Students should be able to explain Greek legal, civil and legislative procedure, including concepts of justice and due process, as well as legal issues such as inheritance, homicide, etc

**CLST 373 Daily Life in Ancient Greece (3 Credit Hours)**

This course constitutes an investigation of the lives of individuals amidst the societies of ancient Greece, including, among other topics, their involvement in religion, politics, education, and their gender-relations.

*Interdisciplinary Option:* European Studies

*Outcomes:*

Students should be able to demonstrate knowledge of what it was like to be alive and active in ancient Greece, what important issues and concerns affected the ancient Greeks and how these are to be compared and contrasted with their own life issues and concerns

**CLST 374 Private Life of Ancient Romans (3 Credit Hours)**

This course constitutes an investigation of the lives of individuals amidst the society of ancient Rome (and the Roman Empire), including, among other things, their involvements in religion, politics, education, and their gender-relations.

*Interdisciplinary Option:* European Studies

*Course equivalencies:* X-CLST374/ROST374

*Outcomes:*

Students should be able to demonstrate knowledge of what it was like to be alive and active in ancient Rome, what important issues and concerns affected the ancient Romans (and subjects of Rome) individually, and how these are to be compared and contrasted with their own life issues and concerns

**CLST 375 Archaeology of Early Greece (3 Credit Hours)**

This course surveys archaeological research in Greece covering the Paleolithic Age through the early Iron Age (c. 700 B.C.E.).

*Course equivalencies:* X-CLST375/ANTH375

*Outcomes:*

Students should be able to demonstrate knowledge of the main archaeological sites and their contents and the importance of archaeological material for reconstructing knowledge about the period; students should also be able to demonstrate knowledge of archaeological methodology and how evidence is gathered, classified and interpreted

**CLST 376 Homeric Questions (3 Credit Hours)**

*Pre-requisites:* CLST 272 is recommended

An advanced course in the Iliad and/or Odyssey enriched by study of Homeric scholarship from the time of Wolf's Prolegomena (1795) to the present day. Concentrations can include such key issues as "the Homeric question," the Parry-Lord theory, narratology, rhetorical criticism, and the psychiatric interpretations of Dr. Jonathan.

*Outcomes:*

Students will be able to place the Homeric poems into their historical and literary context

**CLST 378 Sport in Ancient Greece & Rome (3 Credit Hours)**

This course focuses on the practices of and attitudes toward athletics of the ancient Greeks and Romans.

*Interdisciplinary Option:* European Studies

*Course equivalencies:* X-CLST378/PHED202

*Outcomes:*

Students should be able to demonstrate knowledge about the educational, philosophical, and political significance of athletics from Homeric times through the Roman Empire; They should be able to assess and interpret written, artistic and archaeological evidence relating to ancient athletics

**CLST 380 Research in Classical Studies (3 Credit Hours)**

Students complete a semester-long research project on a topic in Classical Studies.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will improve research methods and produce a research paper that engages with both primary sources and secondary scholarship

**CLST 381 Directed Study (1-3 Credit Hours)**

This course is centered on extensive and in-depth study of a selected author or topic involving ancient Greece or Rome. (This is a special study course, carried on by students usually under the direction of a faculty member of the department.)

*Outcomes:*

Students should be able to demonstrate deeper understanding of the selected author or topic

**CLST 382 Internship in Classical Studies (3 Credit Hours)**

Students complete a semester-long internship (100 hours minimum) that builds on their training in Classical Studies.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will gain practical experience while applying theories and techniques gained from coursework

**CLST 383 The Humanism of Antiquity I (3 Credit Hours)**

This course centers on extensive readings of pertinent classical authors from Homer to Plato, tracing the evolution of aspects of human belief. (This is a capstone course for majors in Classical Studies.)

*Interdisciplinary Option:* European Studies

*Outcomes:*

Students should be able to demonstrate deeper understanding of the nature of the human individual and the relationship of the human person both to the material and spiritual world; They should be able to assess and interpret ancient Greek texts concerned with these issues and topics

**CLST 384 The Humanism of Antiquity II (3 Credit Hours)**

This course centers on extensive readings of pertinent classical authors from early Rome to the High Empire, tracing the evolution of aspects of human belief. (This is a capstone course for majors in Classical Studies.)

*Interdisciplinary Option:* European Studies

*Outcomes:*

Students should be able to demonstrate deeper understanding of the nature of the human individual and the relationship of the human person both to the material and spiritual world; They should be able to assess and interpret ancient Latin texts concerned with these issues and topics

**CLST 385 Historical Classic Greek Literature to 200 A.D (3 Credit Hours)**

This courses surveys important authors and works of Greek literature in a chronological and topical fashion from Homer to the Hellenistic period.

*Interdisciplinary Option:* European Studies

*Outcomes:*

Students should be able to demonstrate detailed knowledge of authors and works; they should be able to assess and interpret texts covered

**CLST 386 History of Classical Roman Lit (3 Credit Hours)**

This courses surveys important authors and works of Roman (i.e., Latin) literature in a chronological and topical fashion from the 2nd cent. B.C.E.

*Interdisciplinary Option:* European Studies

*Course equivalencies:* X-CLST386/ROST386

*Outcomes:*

Students should be able to demonstrate detailed knowledge of authors and works; they should be able to assess and interpret the texts covered

**CLST 388 Classical Backgrounds I (3 Credit Hours)**

This course explores various environments of Greek literature, art, religion, etc., or other aspects of Greek civilization. (This is a special topics course.)

*Outcomes:*

Students should be able to demonstrate deeper understanding of the nature of these environments or aspects

**CLST 389 Classical Backgrounds II (3 Credit Hours)**

This course explores various environments of Latin literature, Roman art, religion, etc., or other aspects of Roman civilization. (This is a special topics course.)

*Outcomes:*

Students should be able to demonstrate deeper understanding of the nature of these environments or aspects

**CLST 390 Fieldwork Greek Sites/Museums (1-4 Credit Hours)**

This course comprises a study Greek or Roman art, monuments, topography or other cultural or historical artifacts or areas of interest on site. This study is accomplished through illustrated lectures or (when on-site) on-site lectures. (This is a special topics course.)

*Outcomes:*

Students should be able to demonstrate detailed knowledge of the material remains of ancient Mediterranean civilizations and the cultures within them

**CLST 391 Topics in Comp Literature (3 Credit Hours)**

This course centers on a comparison of ancient Greek or Roman literature with literatures of other times and other cultures. (This is a special topics course.)

*Course equivalencies:* X-LITR391/CLST391/ENGL391

*Outcomes:*

Students should be able to demonstrate detailed knowledge of the authors and works chosen for it

**CLST 392 Theories of Myth (3 Credit Hours)**

This course surveys important theoretical models used to interpret the mythology of Classical Greece and Rome and other cultures.

*Course equivalencies:* X-CLST392/LITR392

*Outcomes:*

Students should be able to demonstrate a sophisticated understanding of different interpretive theories applicable to mythology, their advantages and limitations; They should be able to apply these theories and to demonstrate what learning may be derived from them

**CLST 395 Topography of Rome (3 Credit Hours)**

The subject of this course is the topography and monuments of ancient Rome, from the city's beginnings through the Republican and Imperial periods to the time of Constantine. This study is accomplished through illustrated lectures or (when taught in Rome) on-site lectures.

*Interdisciplinary Option:* European Studies

*Course equivalencies:* CLST395/ROST395

*Outcomes:*

Students should be able to demonstrate detailed knowledge of the history of the buildings and monuments of ancient Rome

## Computer Science (COMP)

**COMP 102 Web Design and Multimedia Publishing (3 Credit Hours)**

This course introduces foundations of the world wide web technology, HTML, and multimedia publishing techniques. Topics include HTML syntax, CSS, XML, RSS, and various multimedia formats.

*Outcomes:*

An understanding of the technologies behind web sites and the ability to use them effectively

**COMP 104 Computer Animation (3 Credit Hours)**

The course introduces techniques for understanding and developing dynamic and interactive media by using sound, motion, images, and text. Relevant software knowledge areas are covered.

*Outcomes:*

Ability to publish created animated media projects to the web in a process that involves understanding human interface design

**COMP 111 History of Computing (3 Credit Hours)**

The social and organizational history of humanity is intricately entangled with the history of technology in general and the technology of information in particular. Advances in this area have often been closely involved in social and political transformations. While the contemporary period is often referred to by such names as the Computing and Information Age, this is the culmination of a series of historical transformations that have been centuries in the making. This course will provide a venue for students to learn about history through the evolution of number systems and arithmetic, calculating and computing machines, and advanced communication technology via the internet.

*Course equivalencies:* X - COMP 111 / HIST 279C

**COMP 112 Loyola University Technology Ensemble (1 Credit Hour)**

Loyola University Technology Ensemble (LUTE) is a performing ensemble with a composition & engineering component. Its primary instrumentation is electronic or electroacoustic, encompassing digital and analogue electronic instruments, live coding, circuit bending, and repurposing of devices or objects, etc. LUTE will appear in public at least once during each semester.

*Course equivalencies:* X-COMP 112/MUSC 112

*Outcomes:*

Collaborate to compose, engineer, and perform unique technology-driven musical experiences; design interface modules for electroacoustic performance; encode musical ideas in software or digital musical instruments; perform publicly

**COMP 122 Introduction to Digital Music (3 Credit Hours)**

Computers and digital tools have been seeping into the world of music, this course aims to explore this newly formed territory. This course is intended for students who wish to learn more about electronic music, signal processing, and algorithmic music composition.

*Knowledge Area:* Quantitative Knowledge

*Course equivalencies:* X-COMP 122/MUSC 122

*Outcomes:*

Understanding of the physics of musical sound and digital audio, facility with hands-on applications of algorithmic music composition and musicology, and ability to design and render digital instruments

**COMP 125 Visual Information Processing (3 Credit Hours)**

This course, intended primarily for non-majors, provides an introduction to computer programming using a language well-suited to beginning programmers and practical applications, e.g., Visual Basic.Net. Restricted to Freshman or Sophomore standing OR majors other than COMP-BS AND CSEC-BS AND SWEN-BS.

*Knowledge Area:* Quantitative Knowledge

*Outcomes:*

Understanding of computer mechanisms for representing and analyzing numerical and logical information and the power of programmability; practical ability to implement useful computing tools



**COMP 141 Introduction to Computing Tools and Techniques (3 Credit Hours)**

This course introduces students to the Unix shell environment and essential tools for succeeding in computer science degrees. Students who complete this course will develop fluency in the Unix (Linux) environment, which is essential for solving problems in academic, research, and professional computing disciplines.

**COMP 144 Cybersecurity for All (3 Credit Hours)**

This course will cover cybersecurity fundamentals, including how to think like an adversary, general awareness of cybersecurity and privacy, and cybercrime. This course is intended for any student who wants to know more about general cybersecurity and privacy issues in the "cyber" world.

*Outcomes:*

Ability to quantitatively and qualitatively assess cybersecurity and privacy risks, and understanding fundamentals of protecting security and privacy in a cyberworld and connections to cybercrime and other real-life scenarios

**COMP 150 Introduction to Computing (3 Credit Hours)**

The world overflows with electronic data. This course introduces programming in a simple, powerful language like Python, with selection, repetition, functions, graphical effects, and dynamic interaction with the Internet, plus connections to lower level computer organization and computer implications in the wider world. Restricted to Freshman or Sophomore standing OR majors other than COMP-BS AND CSEC-BS AND SWEN-BS.

*Knowledge Area:* Quantitative Knowledge

*Course equivalencies:* ACCOMP 150/COMP 150

*Outcomes:*

Empowerment to manage and transform masses of data; understanding of technical, societal, and ethical issues involved

**COMP 163 Discrete Structures (3 Credit Hours)**

*Pre-requisites:* MATH 110 or MATH 117 or placement into MATH 118 or higher

This course covers the mathematical foundations of computer science, including such topics as complexity of algorithms, modular arithmetic, induction and proof techniques, graph theory, combinatorics, Boolean algebra, logic circuits, and automata.

*Course equivalencies:* COMP211/COMP163

*Outcomes:*

The student will be prepared for the study of advanced ideas in computer science, from cryptography to databases to algorithms to computer architecture

**COMP 170 Introduction to Object-Oriented Programming (3 Credit Hours)**

*Pre-requisites:* MATH 110 or MATH 118 or Placement into a higher MATH course, or COMP 125 or COMP 141 or COMP 150 or COMP 180 or permission or SCPS student; Prior experience with a procedural programming language is sufficient to obtain permission to enroll This programming intensive course with its weekly lab component introduces basic concepts of object-oriented programming in a language such as Java.

*Interdisciplinary Option:* Bioinformatics

*Course equivalencies:* COMP170/ISOM/INFS370

*Outcomes:*

Ability to take a problem, break it into parts, specify algorithms, and express a solution in terms of variables, data types, input/output, repetition, choice, arrays, subprograms, classes, and objects; Ability to judge a good program

**COMP 171 Scripting Languages (1 Credit Hour)**

Scripting languages are rapid prototyping languages that are used extensively. This course covers the principles, syntax and semantics of widely used scripting languages.

*Outcomes:*

Students will learn how a program can be put together quickly and efficiently to solve problems

**COMP 180 Computing and Data Analysis for the Sciences (3 Credit Hours)**

*Pre-requisites:* MATH 110 or MATH 117 (or any higher MATH course such as 118, 131, 132, 161, 162) with grade of at least C- or placement into MATH 118

Scientific computing emphasizes data analysis and visualization in a scientific context - analyzing data quickly for understanding by the individual, sharing automated workflows with collaborators, and preparing results for later publication. This course will emphasize rapid, interactive, and reproducible collaborative analysis of data for scientific contribution.

*Interdisciplinary Option:* Neuroscience

*Outcomes:*

At the end of this course, students will be well versed in the use of a specific, interactive environment for data analysis (likely Python, R, or MATLAB as indicated in the course notes) for analyzing data and sharing results

**COMP 215 Object Oriented Programming with Mathematics (3 Credit Hours)**

*Pre-requisites:* MATH 132 or MATH 162 or MATH 162A

This is an introductory programming course for students interested in mathematics and scientific computing. Students will program primarily in a general object-oriented language such as Python, with supplementary exercises in a computer algebra system. Examples will be drawn primarily from applications of calculus, elementary number theory, and cryptography.

*Course equivalencies:* X-COMP215/MATH215

*Outcomes:*

Students will learn basic scripting and object-oriented programming, with the goal of being able to solve mathematical and scientific problems

**COMP 231 Data Structures & Algorithms for Informatics (3 Credit Hours)**

*Pre-requisites:* (MATH/COMP 215 OR COMP 170) AND (COMP 141 OR AMTH-BS OR MATH-BS) Advisory: MATH/COMP 215 preferred This course introduces data structures and algorithms that are essential for data science and informatics. Here we will focus on identifying the right method for storing data and using the most efficient algorithm for analysis. A subset of data structures and algorithms fundamental to computer science will be covered.

*Outcomes:*

Students will learn fundamental data structures and algorithms frequently used in informatics and data science; Students will be able to apply this knowledge for data analysis

**COMP 250 Introduction to Scientific and Technical Communication (3 Credit Hours)**

*Pre-requisites:* A minimum grade of C- in COMP 125 or COMP 150 or COMP 170 or COMP/MATH 215

This course trains students in writing clear, readable, and well-organized technical communications, including presentations, end-user documentation, internal project documentation, and scientific papers.

*Outcomes:*

Students will learn to write clear technical documentation

**COMP 251 Introduction to Database Systems (3 Credit Hours)**

*Pre-requisites:* COMP 125 or COMP 150 or COMP 170 or COMP 180 or COMP/MATH 215

This course explores ways in which data collections are organized, stored, analyzed, and manipulated. Topics include relational databases, the SQL query language, and the basics of XML and web interfaces to data sets. Applications from a variety of domains illustrate the course's key concepts.

*Course equivalencies:* COMP 251 / COMP 368

*Outcomes:*

Students will organize data in ways to emphasize relationships, write simple programs to process, visualize and graphically display data, mine data for patterns, and design web interfaces to data

**COMP 264 Introduction to Computer Systems (3 Credit Hours)**

*Pre-requisites:* COMP 141 and (COMP 170 or MATH/COMP 215) and (coreq or prereq of COMP 163 or MATH 201); COMP 163 coreq or prereq and COMP 170 prereq preferred

This course studies the hierarchy of abstractions and implementations that constitute a modern computer system, with a particular focus on issues of interest to programmers, typically including some systems programming instruction.

*Outcomes:*

Understanding of system issues that affect the performance, correctness, or utility of user-level programs

**COMP 266 Digital Electronics Lab (3 Credit Hours)**

Combinatorial and sequential logic devices, oscillators and timers, microprocessor components, CPU operation, computer architecture and digital/analog conversion.

*Course equivalencies:* X-PHYS266/COMP266

*Outcomes:*

Students will gain a working knowledge of digital electronics design and its application to computers, an understanding of CPU design and operation and the ability to document and report experimental results

**COMP 271 Data Structures I (3 Credit Hours)**

*Pre-requisites:* COMP 141 and COMP 170 and (co-requisite or pre-requisite of COMP 163 (preferred) or MATH 201); For Bioinformatics majors, pre-requisite of COMP 141 and COMP 170; For SCPS students, pre-requisite of COMP 170

This course studies basic data structures including array lists, linked lists, stacks, queues, binary trees, and hash tables. Efficiency of data structure operations, study of recursion, applications of data structures, and simple analysis of algorithms are covered.

*Outcomes:*

Students learn linear data structures and the performance of their operations, and they learn to solve simple computational problems by designing suitable algorithms and efficient data structures

**COMP 272 Data Structures II (3 Credit Hours)**

*Pre-requisites:* COMP 271 and (COMP 163 or MATH 201) and (MATH 131 or MATH 161)

This course studies advanced abstract data types, such as sets, maps, and graphs, and their implementation using arrays and dynamically allocated nodes in an object-oriented language. The course also studies the performance of the data structures built-in operations and related algorithms such as sorting, searching, and traversing.

*Outcomes:*

Students learn non-linear data structures and runtime performance of their operations, solve computational problems by choosing suitable data structures, and implement algorithms within the object-oriented paradigm

**COMP 301 Introduction to Computer Security (3 Credit Hours)**

*Pre-requisites:* COMP 170

This is an introductory course on computer security covering a broad range of topics, including basic security goals, encryption, penetration testing, software exploitation, reverse engineering, packet sniffing, and secure coding. The course teaches both the principles and concepts of computer security as well as some of the tools and technologies. Students will learn to think like an adversary, find and exploit vulnerabilities in computer and network systems, understand cryptography and security goals, and learn about some of the commonly-used tools.

**COMP 305 Database Administration (3 Credit Hours)**

*Pre-requisites:* COMP 231 or COMP 251 or COMP 271

Business and scientific institutions increasingly use large commercial data base systems. This course teaches the theory and practice for the definition, security, backup, tuning, and recovery of these systems.

*Outcomes:*

Students will be able to use theory and pragmatic approaches to define and implement realistic solutions for large database administration environments

**COMP 306 Data Mining (3 Credit Hours)**

*Pre-requisites:* (COMP 251 or COMP 353) and (STAT 103 or STAT 203 or STAT 335 or ISSCM 241 or PSYC 304 or instructor permission) and (COMP 150 or COMP 170)

This course covers theory and practice of the analysis (mining) of extremely large datasets. With data growing at exponential rates knowledge gathering and exploration techniques are essential for gaining useful intelligence.

*Outcomes:*

Students will be able to define and critically analyze data mining approaches for fields such as security, healthcare, science and marketing

**COMP 309 Numerical Methods (3 Credit Hours)**

*Pre-requisites:* (COMP 170 or MATH/COMP 215), and [ (MATH 212, and MATH 264) or MATH 266]

This course offers an introduction to topics such as error analysis, interpolation and approximation, and the numerical solution of problems involving differentiation, integration, and ordinary and partial differential equations. Students will obtain an understanding of how numerical methods can be used in a variety of areas of mathematics.

*Course equivalencies:* X-COMP309/MATH309

**COMP 310 Operating Systems (3 Credit Hours)**

*Pre-requisites:* COMP 264 and COMP 271

This course introduces principles of operating systems and how they are designed. Various important parts of operating systems such as memory addressing, file structures, processes, and threads are covered.

*Outcomes:*

Students will learn the different parts of an operating system at a functional level and how they interact with each other

**COMP 312 Open Source Software Practicum (3 Credit Hours)**

*Pre-requisites:* COMP 231 or COMP 271 or instructor permission

This course will cover the fundamentals of Free and Open Source software development. Topics to be addressed include licensing, Linux, typical software development tools, applications, and techniques for managing remote servers.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will learn to implement projects involving Free and Open Source software and learn how to participate in open-source projects effectively

**COMP 313 Object-Oriented Design (3 Credit Hours)***Pre-requisites:* COMP 272

Object-orientation continues to be a dominant approach to software development. This intermediate programming-intensive course studies the use of classes and objects with an emphasis on collaboration among objects.

*Outcomes:*

A thorough understanding of the principles of object-orientation: abstraction, delegation, inheritance, and polymorphism; exposure to basic design patterns; programming experience in mainstream object-oriented languages such as C++ and Java

**COMP 314 Problem Solving Strategies I (1 Credit Hour)***Pre-requisites:* COMP 271

Corequisite or This course allows students to sharpen problem-solving skills along with, or as part of, the ACM Programming Team. Groups generally work on old competition problems on alternate weekends, with short follow-ups during the next week.

*Course equivalencies:* COMP281/COMP314*Outcomes:*

Ability to work in small groups, quickly and accurately assessing and solving focused problems involving many sorts of programming knowledge

**COMP 315 Problem Solving Strategies II (2 Credit Hours)***Pre-requisites:* COMP 314

This course allows students to sharpen problem-solving skills along with, or as part of, the ACM Programming Team. Groups generally work on old competition problems on alternate weekends, with short follow-ups during the next week.

*Outcomes:*

Ability to lead a small group, quickly and accurately assessing and solving focused problems involving many sorts of programming knowledge

**COMP 317 Social, Legal, and Ethical Issues in Computing (3 Credit Hours)***Pre-requisites:* Any COMP course and Ethics Core

This course covers social, legal, and ethical issues commonly arising in key areas related to computing technologies.

*Interdisciplinary Option:* Sociolegal Studies*Outcomes:*

Understanding of laws and issues in areas such as privacy, encryption, freedom of speech, copyrights and patents, computer crime, and computer/software reliability and safety; understanding of philosophical perspectives such as utilitarianism versus deontological ethics and basics of the U.S. legal system

**COMP 319 Introduction to UNIX (1 Credit Hour)***Pre-requisites:* COMP 170 and COMP/MATH 215

An introduction to the UNIX operating system. Topics include files and directories, electronic mail, security, advanced file systems, network utilities, network file sharing, text utilities, shell programming, UNIX internals, UNIX system administration (essentials), the X windowing system, systems programming, and secure shell (SSH).

*Course equivalencies:* COMP219/COMP319*Outcomes:*

After taking this course, students will develop working knowledge of Unix and be able to use modern Unix operating systems such as Linux, OS X, or Solaris

**COMP 321 Computational Aspects of Modeling and Simulation (3 Credit Hours)***Pre-requisites:* STAT 203 or STAT 335

This course uses SAS and R languages to address statistical modelling and to conduct statistical simulations to assess linear, generalized linear, nonlinear and complex models and experimental designs.

*Course equivalencies:* X-STAT356/COMP321/STAT321*Outcomes:*

Students will gain practical experience and knowledge in real-world statistical situations for which underlying theory is cumbersome or intractable

**COMP 322 Software Development for Wireless and Mobile Devices (3 Credit Hours)***Pre-requisites:* COMP 231 or COMP 271

This course will focus on the unique challenges, methods, tools, and technologies for developing software applications for wireless and mobile devices, smart mobile phones, and the growing world of mobile connected devices.

*Outcomes:*

1) Understand challenges of software design for resource limited devices; 2) Know the architecture of one or more state-of-the-art mobile operating systems; 3) Gain experience designing, developing, testing embedded software

**COMP 323 Game Design and Development (3 Credit Hours)***Pre-requisites:* COMP 231 or COMP 271

This course studies design, development, and publication of games and game-based applications. This includes example games and designers, industry practices, and team-based project development.

*Outcomes:*

Students will acquire an awareness of different game design and development methods, technologies, and techniques suitable for the development of a variety of game based environments

**COMP 324 Client-Side Web Development (3 Credit Hours)***Pre-requisites:* COMP 231 or COMP 271

This course covers the design and implementation of the presentation layer of dynamic web applications. Topics include visual design and usability, multi-channel and multi-modal applications, markup of static and dynamic content, and client-side executable content. HTML/CSS/JavaScript are introduced quickly, followed up with the stack of current JavaScript frameworks and libraries used in practice.

*Outcomes:*

Familiarity with the most common effective tools for creating responsive, dynamic, and interactive web content with client-side tools

**COMP 325 Rapid Application Development Methodology (3 Credit Hours)***Pre-requisites:* COMP 271 with a grade of C- or above

This course will teach students how to effect rapid application development using a software framework such as the .NET Framework. Particular emphasis will be placed on enhancing object-oriented programming skills using a language such as C#.NET.

*Outcomes:*

Students will gain enhanced skill in object-oriented programming and development of such applications as database applications, web applications, Microsoft .NET services, Silverlight applications, and WCF Services

**COMP 326 Digital Music Programming (3 Credit Hours)**

*Pre-requisites:* One of: COMP/MUSC 122, MUSC 201, COMP 125, COMP 150, COMP 170, permission of instructor

This course is an exploration of coding for music applications. Topics include digital audio and synthesis theory and basic, musical data structures, and principles of computer music composition and interactivity. Students will design synthesis and sampling instruments, algorithmic music generators, signal processors, and interactive control systems using one or more music programming languages.

*Course equivalencies:* X-COMP 326/MUSC 326

*Outcomes:*

Create software modules for processing digital audio, MIDI, and generative music; develop interactive interfaces; export applications or modules; produce a portfolio of creative projects in areas of real-time audio/MIDI processing

**COMP 328 Algebraic Coding Theory (3 Credit Hours)**

*Pre-requisites:* MATH 212

Codes with algebraic structure for error control are examined. Block codes including Hamming codes and Reed-Muller codes, BCH codes, and other cyclic codes with algebraic structure and other cyclic codes and their implementation are treated. Other topics may include: convolutional codes, efficiency considerations, and Shannon's fundamental theorem of information theory.

*Course equivalencies:* X-MATH328/COMP328

**COMP 329 Natural Language Processing (3 Credit Hours)**

*Pre-requisites:* (COMP 231 or COMP 271) and (MATH 131 or MATH 161) and (STAT 103 or STAT 203 or STAT 335 or ISSCM 241 or PSYC 304 or instructor permission)

This course provides an introduction to the field of natural language processing (NLP). NLP is concerned with computational approaches to analyzing, generating, and understanding human language. This course will introduce the students to the problems, methods, and applications of NLP.

*Outcomes:*

Students will become familiar with such areas of natural language processing as information retrieval, sentiment analysis, machine translation, document classification, and question answering

**COMP 330 Software Engineering (3 Credit Hours)**

*Pre-requisites:* COMP 271

Students learn real-world theory and techniques organizations use to create high-quality software on time. Students work on a large programming team to create plans, review progress, measure quality, and make written and oral analyses of their project.

*Outcomes:*

Students will experience process based development, understand the dynamics of a professional software organization, and develop skills for implementing software with others

**COMP 331 Mathematical Foundations of Cryptography (3 Credit Hours)**

*Pre-requisites:* Theoretical Foundations: MATH 201 or COMP 363; Programming Foundations: COMP125 or COMP150 or COMP170 or COMP 180 or COMP/MATH 215

This course introduces the formal foundations of cryptography and also investigates some well-known standards and protocols, including private and public key cryptosystems, hashing, digital signatures, RSA, DSS, PGP, and related topics.

*Course equivalencies:* X-COMP331/MATH331

*Outcomes:*

Students will gain an understanding of cryptosystems widely used to protect data security on the internet, and be able to apply the ideas in new situations as needed

**COMP 332 Requirements Engineering (3 Credit Hours)**

*Pre-requisites:* COMP 330

This course aims to equip students with techniques for successful requirements analysis and requirements engineering (RE) of software-intensive systems. Students will learn a systematic process of developing requirements through co-operative problem analysis, representation, and validation.

*Outcomes:*

Students will learn and apply the current state of the art in requirements engineering and a systematic method for engineering high-quality requirements on realistic large-scale projects

**COMP 333 Web Services Programming (3 Credit Hours)**

*Pre-requisites:* COMP 313 *Outcomes:* An understanding of the design space of software architecture; Proficiency in designing, implementing,

deploying and composing systems from web services

Web services are building blocks for enterprise applications that use open data exchange standards and transport protocols to exchange data with calling clients. This course studies the architectures, frameworks, and tools required to develop and compose web services and clients, as well as integrate service-oriented systems with legacy systems.

**COMP 335 Formal Methods in Software Engineering (3 Credit Hours)**

*Pre-requisites:* COMP 272

As embedded and networked systems are becoming ever more ubiquitous, we depend increasingly on the correctness of the software that controls such systems. This course studies the formal specification, verification, and synthesis of software.

*Outcomes:*

An understanding of the role of formal methods in the construction of software systems; proficiency in representative methods and tools, such as UML and ESC

**COMP 336 Markup Languages (3 Credit Hours)**

*Pre-requisites:* COMP 231 or COMP 271

This course is concerned with XML and its various component frameworks. The core frameworks to be covered include Document Object Model (DOM), Simple API for XML processing (SAX), the XML Path language (XPath), and XSLT.

*Outcomes:*

After taking this course, students will have working knowledge of XML and its connections to other ideas such as HTML, object models, relational databases, and network services

**COMP 337 Concurrent Programming (3 Credit Hours)**

*Pre-requisites:* COMP 313

Many real-world software systems rely on concurrency for performance and modularity. This programming-intensive course covers analysis, design, implementation, and testing of concurrent software systems.

*Outcomes:*

An in-depth understanding of event-based and thread-based views of concurrency; the ability to develop concurrent software components using suitable languages, frameworks, and design patterns; familiarity with object-oriented modeling and development tools and test-driven development



**COMP 338 Server-based Software Development (3 Credit Hours)**

*Pre-requisites:* COMP 313

Server-based web applications and services have become part of everyday life. This programming-intensive course covers analysis, design, implementation, and testing of multi-tiered server-based software systems along with typical tier-specific technologies.

*Outcomes:*

An understanding of software architecture and integration in the development of multi-tiered server-based software; familiarity with object-oriented modeling and development tools and test-driven development

**COMP 339 Distributed Systems (3 Credit Hours)**

*Pre-requisites:* COMP 313 or COMP 363 or COMP 310

This course covers topics in modern distributed systems. This course places special emphasis on scalability (performance), reliability/fault tolerance, and security.

*Outcomes:*

After taking this course, students should understand the essential ingredients of distributed systems and how to build distributed systems that are resilient to transient network failures and other potential anomalies

**COMP 340 Computer Forensics (3 Credit Hours)**

*Pre-requisites:* (COMP 150 or COMP 170 or COMP/MATH 215) and (COMP 264 or COMP 317 or COMP 343)

The course introduces the fundamentals of computer/network/internet forensics, analysis and investigations.

*Outcomes:*

The student will learn computer software and hardware relevant for analysis, and investigative and evidence-gathering protocols

**COMP 341 Human-Computer Interaction (3 Credit Hours)**

*Pre-requisites:* COMP 231 or COMP 271

Limitations in human-computer interaction are as much due to human factors, cognitive limits, expectations, motivations, and inertia as technological capabilities. Systematic methods will be used to evaluate and improve designs through both qualitative feedback and statistical, hypothesis-driven testing on web pages, GUIs, mobile apps and many non-traditional interfaces.

*Outcomes:*

Students will be exposed to a wide array of non-traditional computing interfaces, and be able to evaluate, design and develop better human-computer interfaces using research-based, systematic approaches

**COMP 342 Introduction to Web Application Development (3 Credit Hours)**

*Pre-requisites:* COMP 170

An introduction to webpage development using JavaScript, jQuery and associated client-side tools.

*Course equivalencies:* X- DIGH403/CPST342/COMP342

*Outcomes:*

Students will be able to create webpages using JavaScript and related tools and protocols, and interface a webpage with a database

**COMP 343 Computer Networks (3 Credit Hours)**

*Pre-requisites:* COMP 264 or COMP 271 or instructor permission

This course surveys packet-switched computer networks and attendant communication protocols, using the TCP/IP protocol suite on which the Internet is based as the primary model. Some programming may be required.

*Outcomes:*

Students will understand how the Internet is constructed, how data is routed to its destination, how connections are made, how congestion is handled, and how security can be addressed

**COMP 344 Hands-on Approach to Security & Privacy (3 Credit Hours)**

*Pre-requisites:* COMP 301

This course will introduce students to privacy, cybersecurity competitions, and how computers can be compromised and secured. This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will demonstrate knowledge and competency in the cybersecurity and privacy fields by participating in competitions, capture the flag, cybersecurity challenges, cybersecurity certifications, and other cybersecurity events/activities; Students will apply what they know in a realistic professional setting, usually working in a team

**COMP 345 Internet of Things Device and Application Security (3 Credit Hours)**

*Pre-requisites:* COMP 301

It introduces the Internet of Things (IoT) comprising embedded devices and cloud-based resources. The course studies concepts and techniques used in designing and implementing IoT systems providing valuable functionality to consumers and valuable data to organizations. The course discusses methods for addressing related safety, security, reliability, and privacy concerns.

*Outcomes:*

Ability to design and implement secure software and establish safety, security, reliability, and privacy goals for embedded and IoT-based systems; Ability to visualize and analyze data from an IoT system

**COMP 346 Telecommunications (3 Credit Hours)**

*Pre-requisites:* COMP 264 or COMP 271

This course introduces the fundamental concepts of telecommunication networks, including requirements of voice networks, analog versus digital transmission, data link protocols, SONET, ATM, cellular phone systems, and the architecture of the current telephone system.

*Outcomes:*

Students will understand how modern telephone systems work

**COMP 347 Intrusion Detection and Security (3 Credit Hours)**

*Pre-requisites:* COMP 301

This course covers techniques and algorithms for detecting unusual usage patterns that typically signal a break-in, including techniques for detecting evasive or stealthy attacks. Also covered are differences in detecting local versus network intruders. Additional topics: computer viruses, computer security management, computer forensics.

*Outcomes:*

Students will learn to configure ID systems (eg SNORT) and analyze their output; They will also understand both network-based and host-based monitoring techniques

**COMP 348 Network Security (3 Credit Hours)**

*Pre-requisites:* COMP 301

This course involves a discussion of network security through the following areas which lead to an overall security posture: Security Frameworks, Implementation Security, System Best Practices, a Case for Centralized Configuration Management, Network Security Architecture, Standards Adherence, Risk Assessments, Testing and Review and Application Security.

*Outcomes:*

An understanding of how to secure networks using encryption, authentication, perimeter protection, restricted access policies, intrusion detection/prevention and other security frameworks

**COMP 349 Wireless Networking and Security (3 Credit Hours)**

*Pre-requisites:* COMP 301 Outcomes: Students will gain an understanding of wireless networking, protocols, and standards and security issues. This course will explore the wireless standards, authentication issues, and common configuration models for commercial versus institutional installations and analyze the security concerns associated with this ad-hoc method of networking.

**COMP 351 Network Management (3 Credit Hours)**

*Pre-requisites:* COMP 264 or COMP 271

This course introduces the current state of the art in automated management of computer networks, including protocols such as SNMP and its attendant naming conventions, network management systems, and important issues in administrative network configuration.

*Outcomes:*

Students will become familiar with the SNMP protocol, with how large-scale Network Management Systems operate and are configured, and with advanced network configuration

**COMP 352 Computer Vulnerabilities (3 Credit Hours)**

*Pre-requisites:* COMP 264 and COMP 301

This course will introduce students to computer vulnerabilities at the machine-code level, including viruses, browser vulnerabilities, buffer and heap overflows, return-to-libc attacks and others.

*Outcomes:*

Describe some recent computer software vulnerabilities at the machine-code level and how they can be leveraged into an attack; Run a virus in a virtual-machine sandbox with appropriate monitoring

**COMP 353 Database Programming (3 Credit Hours)**

*Pre-requisites:* COMP 231 or COMP 251 or COMP 271

This course introduces relational and object databases to support database creation and application development. Use of commercial database products will give a practical orientation.

*Course equivalencies:* COMP353/BIOI353

*Outcomes:*

Students will learn SQL, database design and application development using the latest software tools; Students will also learn techniques for web based data retrieval and manipulation

**COMP 358 Big Data Analytics (3 Credit Hours)**

*Pre-requisites:* ((Database experience: COMP 251 OR COMP 305 OR COMP 353) AND (Analytics experience: COMP 306 OR COMP 379 OR STAT 338 OR STAT 308)) OR permission of instructor

In this course, large data sets will be leveraged to solve challenging analytics problems. With more samples, analytics can use more complex learning models to automate more feature combinations for more robust model tuning, selection, and validation. Parallel, distributed processing will be performed with Apache Spark and Hadoop.

*Outcomes:*

Python or R will be used with parallel frameworks to perform proper model selection when testing large combinations of features, models, hyperparameters, and ensembles, with additional emphasis on deep learning

**COMP 362 Computer Architecture (3 Credit Hours)**

This course covers computer design from the level of digital logic and circuit design to high-level computer organization.

*Course equivalencies:* COMP 260 / COMP 275 / COMP 362

*Outcomes:*

A basic understanding of how computers work at many levels and how to use various analytical tools and techniques to design computer components

**COMP 363 Design and Analysis Computer Algorithms (3 Credit Hours)**

*Pre-requisites:* COMP 272 and (MATH 132 or MATH 162)

Theoretical design and analysis of computer algorithms may be supplemented by small amounts of programming.

*Interdisciplinary Option:* Bioinformatics

*Course equivalencies:* X-COMP363/BIOI363

*Outcomes:*

The ability to design and analyze efficient algorithms; understanding of the necessary models and mathematical tools; understanding of a variety of useful data structures and fundamental algorithms; exposure to the classification of computational problems into different complexity classes

**COMP 364 High Performance Computing (3 Credit Hours)**

*Pre-requisites:* COMP 264 and COMP 272 Outcomes: Students will learn how to engineer solutions to practical problems in multiprocessor architectures and using large physical memories

This course covers parallel architectures and parallel models of computation. Algorithms for achieving high performance in various computational contexts are discussed. Models such as shared memory, message passing, and hybrid modes of computing are introduced.

**COMP 366 Microcomputer Design & Interfacing (3 Credit Hours)**

*Pre-requisites:* COMP 271 Outcomes: Students will gain a working knowledge of interfacing techniques and design, hands-on experience with professional interfacing hardware and software, and the ability to document and report experimental results

This course covers computer architecture, CPU logic, data acquisition, signal conditioning, analog/digital conversion and computer interfacing.

*Course equivalencies:* X-PHYS366/COMP366

**COMP 367 Robotics Software Development (3 Credit Hours)**

*Pre-requisites:* COMP 271; COMP 313 recommended

This course is an introduction to robotics and robotic software development using humanoid robots. The course will use modern robot platforms and provide hands on experience with robotic sensor systems, motion and navigation, robot behavior planning and implementation.

*Outcomes:*

Students will explore the history of robotics, overview the theory of autonomous robotic systems, and develop complete robot projects

**COMP 369 Product Invention and 3D Printing (3 Credit Hours)**

This course explores the role of products in the economy and how things are made, including: product conceptualization and design, physical design vs. design of things that are not physical, rapid prototyping, 3D printing, 2D conceptualization and sketching, 3D modeling, and design reviews.

*Outcomes:*

Students will be able to visualize ideas via sketching basic shapes, create 3D models using 3D modeling software, use a 3D Printer, and give constructive feedback in peer review sessions

**COMP 370 Software Quality (3 Credit Hours)**

*Pre-requisites:* COMP 330

The course teaches software testing and quality control concepts, principles, and techniques including black box and white box testing, coverage testing, test case development, and regression testing.

*Outcomes:*

Students will learn how to prevent errors, how to get 'bugs' out of software, and be able to apply this knowledge in other courses and projects

**COMP 371 Programming Languages (3 Credit Hours)**

*Pre-requisites:* COMP 264 and COMP 272

There are over two thousand programming languages. This course studies several languages that represent the much smaller number of underlying principles and paradigms.

*Outcomes:*

An understanding of key principles and paradigms underlying the design and implementation of commonly used programming languages; exposure to formal mechanisms for describing language syntax and semantics; programming experience in several representative languages

**COMP 373 Advanced Object-Oriented Programming (3 Credit Hours)**

*Pre-requisites:* COMP 313 *Outcomes:* Proficiency in the use of object-oriented languages, frameworks, and patterns; advanced understanding of key language mechanisms such as delegation, inheritance, polymorphism, and reflection; familiarity with object-oriented modeling and development tools and test-driven development  
Object-orientation continues to be a dominant approach to software development. This advanced programming-intensive course studies object-oriented analysis, design, and implementation from a design patterns perspective.

**COMP 376 Formal Languages & Automata (3 Credit Hours)**

*Pre-requisites:* COMP 163 or MATH 201 or MATH 212 or MATH 266

This course introduces formal language theory, including such topics as finite automata and regular expressions, pushdown automata and context-free grammars, Turing machines, undecidability, and the halting problem.

*Course equivalencies:* X-COMP376/MATH376

*Outcomes:*

An understanding of the theoretical underpinnings of computability and complexity in computer science

**COMP 377 IT Project Management (3 Credit Hours)**

*Pre-requisites:* COMP 231 or COMP 251 or COMP 271

This course is an introduction to the philosophy and practice of project management. The course involves a student group project to investigate and plan a 'real world' IT project that specifies project objectives, schedules, work breakdown structure and responsibilities, a written interim report, and a final oral and written report.

*Outcomes:*

Students will learn time management, work-flow management, and team dynamics to design, implement and test large-scale software projects

**COMP 378 Artificial Intelligence (3 Credit Hours)**

*Pre-requisites:* COMP 231 or COMP 271

This course introduces artificial intelligence theory and programming.

*Outcomes:*

Student will learn basic theory of artificial intelligence and be able to build small applications based on it

**COMP 379 Machine Learning (3 Credit Hours)**

*Pre-requisites:* (COMP 231 or COMP 271) and (MATH 131 or MATH 161) and (STAT 103 or STAT 203 or ISSCM 241 or STAT 335 or PSYC 304 or instructor permission)

Machine learning is the process of making predictions and decisions from data without being explicitly programmed. Topics include a variety of supervised learning methods. Ensemble approaches are used to combine independent models efficiently. Unsupervised and semi-supervised methods demonstrate the power of learning from data without an explicit training goal.

*Outcomes:*

Students in this course will learn how to apply sophisticated algorithms to large data sets to make inferences for prediction or decision making

**COMP 380 Computer Graphics (3 Credit Hours)**

*Pre-requisites:* COMP 271

This course introduces modern theory and practices in 3-D computer graphics, stressing real-time interactive applications using libraries like OpenGL.

*Outcomes:*

Student will learn how to program real-time interactive applications using libraries like OpenGL

**COMP 381 Bioinformatics (3 Credit Hours)**

Students will engage in the applications of computer-based tools and database searching to better understand the fields of genetics, genomics, evolutionary biology, and personalized medicine. Students will be introduced to scripting programming languages for analyzing biological data sets.

*Interdisciplinary Option:* Bioinformatics

*Course equivalencies:* X-BIOL388/COMP381/BIOL388

*Outcomes:*

Students will be able to appropriately use computer software and databases to accurately analyze biological data and interpret the results, applying their understanding of genetic processes

**COMP 382 Compiler Construction (3 Credit Hours)**

*Pre-requisites:* COMP 264 and 272

This course covers the basics of writing a compiler to translate from a simple high-level language to machine code. Topics include lexical analysis, top-down and LR parsing, syntax-directed translation, and code generation and optimization. Students will write a small compiler.

*Outcomes:*

Students will learn how a compiler is built

**COMP 383 Computational Biology (4 Credit Hours)**

*Pre-requisites:* (COMP 231 or COMP 271) and COMP 381 (*Equivalencies:* BIOL/BIOL 388)

This course presents an algorithmic focus to problems in computational biology. It is built on earlier courses on algorithms and bioinformatics.

Problems and solutions covered in this course include gene hunting, sequence comparison, multiple alignment, gene prediction, trees and sequences, databases, and rapid sequence analysis.

*Interdisciplinary Option:* Bioinformatics

*Course equivalencies:* COMP383/BIOL383

*Outcomes:*

Students will learn, in detail, foundational methods and algorithms in bioinformatics

**COMP 386 Methods in Computational Neuroscience (3 Credit Hours)**

*Pre-requisites:* NEUR 101; (MATH 131 or MATH 161); and (COMP 150, COMP 170, COMP 180, or DSCI 101) This course introduces the methods necessary to work with computational models of neural processing in the brain

These methods include differential equations for neuroscience, Simulink programming, linear algebra for neural networks, MATLAB coding, and probability theory for neuroscience. For each method, classes will include lectures, and computer exercises or illustrations.

*Interdisciplinary Option:* Neuroscience

*Course equivalencies:* X - COMP 386/PSYC 383

*Outcomes:*

Appreciation of the mathematical and computational techniques used to understand the brain, specially differential equations to model neurons, linear algebra used for neural networks, and probability theory capturing brain performance

**COMP 387 Deep Learning (3 Credit Hours)**

*Pre-requisites:* COMP 379 or STAT 338 or STAT 308 This course covers key concepts of neural network algorithms as well as their applications in computer vision and natural language processing. The topics will include popular building blocks of neural networks including fully-connected, convolutional, recurrent, attention, and transformer layers.

*Outcomes:*

Learn how to build and analyze popular modern neural network architectures; Learn how to design, build, and evaluate their models in the context of practical applications related to fields such as computer vision and natural language processing

**COMP 388 Topics in Computer Science (1-6 Credit Hours)**

This course is used to introduce emerging topics in computer science that do not yet have a regular course number. Content of the course varies.

*Outcomes:*

Understanding of an emerging area of Computer Science

**COMP 389 Computational Modeling of the Brain (3 Credit Hours)**

*Pre-requisites:* PSYC 383/COMP 386 or instructor permission This course uses a mix of lectures and computer labs to introduce computational models of the neural processing in the brain

These models capture single neurons and synapses, biological neural networks, and high-level computational theory. Each class will cover the models with lectures and computer labs, the latter using MATLAB and Simulink.

*Interdisciplinary Option:* Neuroscience

*Course equivalencies:* X - COMP 389/PSYC 384

*Outcomes:*

Appreciation that brain function cannot be understood without proper mathematical and computational frameworks, and ability to apply these frameworks adeptly in the various domains of neuroscience from neurons to cognition

**COMP 390 Broadening Participation in STEM (Computing, Math & Science) (1-3 Credit Hours)**

Students will learn about underrepresentation of various population groups in STEM fields (science, technology, engineering, mathematics), as well as some of the reasons and negative effects of this situation. They will learn about techniques and educational materials for ameliorating this situation and will engage in relevant service learning activities.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students gain first-hand experience with broadening STEM participation and seeing how they can make a difference in the lives of other students and contribute to national needs

**COMP 391 Internship in Computer Science (1-6 Credit Hours)**

Students work outside the classroom applying and extending their computer science skills, typically for at least 150 hours for 3 credits. A memorandum of understanding is required between a student, his or her employer, and the Undergraduate Program Director, followed by final reports from the student and the employer.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Application of classroom skills to real-world situations

**COMP 392 Metagenomics (3 Credit Hours)**

*Pre-requisites:* BIOL 282

Exploration of next-generation sequencing technologies for assessing microbial diversity in ecological niches.

*Interdisciplinary Option:* Bioinformatics

This course satisfies the Engaged Learning requirement.

*Course equivalencies:* X-COMP 384/BIOL 392/COMP 392

*Outcomes:*

Students will gain hands-on experience with metagenomic methodologies while working in an interdisciplinary, collaborative setting

**COMP 395 Professional Development & Career Growth in CompSci/IT (1 Credit Hour)**

*Pre-requisites:* Sophomore standing and any COMP course

This course is designed specifically for students pursuing a degree in computing-related fields, for example, Computer Science, Information Technology, Software Engineering, and Cybersecurity. They will learn about ways to develop themselves professionally, communicate their strengths, expand their contacts, and advance their careers. Students should acquire skills to professionally brand themselves, successfully network in technical circles, perform an effective job/internship search, and conduct themselves well in interviews.

**COMP 397 Research Methods in Computer Science (1 Credit Hour)**

Supplements CS Seminar by targeting students directly engaging in research and facilitating contributions in ongoing projects. Progress in outside projects tracked through milestones such as abstracts, small fellowship-style proposals, informal updates, and outcome-oriented goal setting. Emphasizes creating lasting impacts through establishing project continuity and presenting posters, papers, and slide shows.

*Outcomes:*

Regular progress on research projects and final presentations of results for demonstration to department faculty and students, and potential use at professional conferences

**COMP 398 Independent Study (1-6 Credit Hours)**

The student and a sponsoring faculty member will determine an advanced topic for the student to work on.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Knowledge of an advanced topic

**COMP 399 Computer Science Seminar (1 Credit Hour)**

The department seminar is designed to bring together students interested in understanding and engaging in extracurricular applications of computer science, with a focus on ongoing research. Speakers will include department faculty, research students, and invited outside speakers. Students will be asked to read relevant literature and participate in discussions.

*Course equivalencies:* COMP 399H / COMP 399

*Outcomes:*

Students will be exposed to a wide range of topics in computer science, participate in discussions, and provide feedback to assess their general understanding of the presented material



## Computer Science and Education (CSED)

### CSED 301 Introduction to Programming/Computer Science (3 Credit Hours)

This course provides an introduction to programming with an overview of other topics in computer science.

*Outcomes:*

Basic programming skills in a computer language such as VB.NET or Logo that may be suitable for teaching to young programmers; understanding of other fundamentals of how computer hardware and software tools work

### CSED 317 Social Issues in Computing (3 Credit Hours)

This course covers social, legal, and ethical issues commonly arising in key areas related to computing technologies.

*Outcomes:*

Understanding of laws and issues in areas such as privacy, encryption, freedom of speech, copyrights and patents, computer crime, and computer/software reliability and safety; understanding of philosophical perspectives such as utilitarianism versus deontological ethics and basics of the U.S. legal system

### CSED 330 Technical Administration PC Clusters (3 Credit Hours)

This course covers technical knowledge and practical skills needed to administer a PC cluster in a school or similar environment, focusing on security issues such as firewalls, viruses, and external and internal attacks, and also covers server and LAN configuration and storage management.

*Outcomes:*

Students will be familiar with the procedures and design tradeoffs involved in configuring a computer lab

### CSED 331 Management of PC Cluster (3 Credit Hours)

Further topics in management of school-based PC clusters are covered: purchasing, staffing, troubleshooting, configuration, copyright and software licensing, facilities and resource management, use of IT outsourcing, acceptable-use policies, account management, content filtering, and reliability.

*Outcomes:*

Students will be familiar with issues and conflicts, both technical and social, that arise in school lab management, and with ways of addressing them

### CSED 343 Introduction to Computer Networks (3 Credit Hours)

How a computer network is put together, from lowest to highest levels. TCP/IP protocols and the construction of the internet; LAN protocols such as Ethernet and ATM; internetworking protocols such as IP; transit protocols such as TCP and UDP; congestion and security issues.

## Criminal Justice & Criminology (CJC)

### CJC 101 Criminal Justice in a Global Context (3 Credit Hours)

This course introduces students to the study of the causes and control of crime from a global perspective. The course considers: the way crime and criminal justice reflects social, political, and cultural forces; the complex intersection between social inequalities and state responses to crime; and the diffusion of criminal justice reforms based on concepts of equality and

*Interdisciplinary Option:* Forensic Science, Psychology of Crime and Justice

*Course equivalencies:* ACCRJ 201 / CJC 101

*Outcomes:*

Students will be able to demonstrate an understanding of the structure and challenges of state responses to crime from global, historical, and interdisciplinary perspectives

### CJC 201 Theories of Criminal Behavior (3 Credit Hours)

This course will provide a detailed examination of past and present theories of criminal behavior, placing them in a socio-historical context and exploring their policy and practical implications.

*Interdisciplinary Option:* Psychology of Crime and Justice

*Outcomes:*

Students will be able to demonstrate an understanding of how the specific theories of criminal behavior can be compared and evaluated, how the theories evolved over time, and how they can be applied to criminal justice policy and practice

### CJC 202 Criminal Courts (3 Credit Hours)

This course provides students with an overview of state and federal criminal courts and case processing, including the study of prosecutors, defense attorneys, judges, jury decision-making, plea bargaining, and sentencing.

*Interdisciplinary Option:* Psychology of Crime and Justice, Sociolegal Studies

*Outcomes:*

Students will be able to understand the functions of the state and federal criminal courts, the actors working in those courts and their respective roles, and the procedures for processing of criminal cases

### CJC 203 Policing (3 Credit Hours)

This course examines the nature and purpose of policing in American society. Topical areas include the urban police function, contemporary U.S. police systems, principles of police organization and administration, basic operational methodology, and efforts to professionalize police agencies.

*Outcomes:*

Students will be able to demonstrate an understanding of changing role of police in modern society and articulate the role and challenges faced by police as it relates to the overall operation and goals of the criminal justice system

### CJC 204 Corrections (3 Credit Hours)

This course examines the history, functions, and processes of corrections. The primary focus is institutional corrections and its evolution based on philosophies of retribution, deterrence, incapacitation, and rehabilitation. The role and influence of community correctional practices and policy on institutional corrections are also covered.

*Interdisciplinary Option:* Psychology of Crime and Justice

*Course equivalencies:* ACCRJ 204 / CJC 204

*Outcomes:*

Students will be able to identify and describe the role of institutional corrections in society and the criminal justice system and articulate the connection between theories regarding criminality and the purposes of incarceration that have historically guided and continue to guide American correctional practice historically and currently

### CJC 205 Research Methods (3 Credit Hours)

An introduction to the logic and basic concepts of social research, with an emphasis on both basic and applied research within criminal justice and criminology. The course provides a basic conceptual framework for designing, conducting, interpreting, and evaluating social research.

*Interdisciplinary Option:* Human Services, Urban Studies

*Outcomes:*

Students will be able to demonstrate the capacity to effectively design, review and interpret research to answer questions within the field of criminal justice and other social science disciplines

**CJC 206 Statistics (3 Credit Hours)**

An introduction to the basic concepts and techniques of statistical analysis, with an emphasis on the study of delinquency, crime, and program evaluation within the criminal justice system.

*Knowledge Area:* Quantitative Knowledge

*Interdisciplinary Option:* Human Services

*Course equivalencies:* X-CRMJ206/SOWK391

*Outcomes:*

Students will be able to effectively perform and interpret statistical analyses and identify the appropriate use of these statistics in the analysis of crime and criminal justice system performance

**CJC 302 Juvenile Justice System (3 Credit Hours)**

This course will examine the history, theories, policies, and practices of the juvenile justice system. It will also include a discussion of diversion programs, child maltreatment, and gang behavior.

*Interdisciplinary Option:* Human Services, Psychology of Crime and Justice

*Outcomes:*

Students will be able to demonstrate an understanding of the structure and challenges facing the juvenile justice system as it responds to delinquency and abuse/neglect from an historical, interdisciplinary, and inter-agency relationship perspective, and how this differs from the adult (criminal) justice system

**CJC 310 Contemporary Police Issues (3 Credit Hours)**

This course provides an in-depth examination of specific contemporary issues in policing related to recruitment and training, education and retention, innovations in policing strategies, police policies and practices, professionalism and ethics.

*Outcomes:*

Students will be able to identify and discuss the impact that current issues in policing have on police operations, effectiveness, and police-community relations

**CJC 312 Popular Culture and the Criminal Justice System (3 Credit Hours)**

This course will examine the interrelationship among crime, the media, the criminal justice system, and other forms of popular culture. Topics include media representations of crime and criminal justice, social media, and the social construction of myths about crime and the criminal justice system.

*Outcomes:*

Students will be able to (1) know the meaning of the social construction of deviance; (2) know and be critical of the manner in which crime and criminal justice are portrayed in the media, and their effect on public opinions and images of the latter; and (3) analyze and evaluate the effects of popular culture

**CJC 322 Criminal Law (3 Credit Hours)**

This course is an introduction to the principles underlying the definition, constitutionality, and application of criminal laws. It includes the analysis of court decisions regarding various state and federal crimes, and the rules of individual responsibility and accountability for those crimes.

*Interdisciplinary Option:* Psychology of Crime and Justice, Sociolegal Studies

*Outcomes:*

Students will be able to demonstrate an understanding of the constitutional limitations on the construction of statutory crimes, the elements of different crimes, and the principles governing individual responsibility and accountability for those crimes

**CJC 323 Criminal Procedure (3 Credit Hours)**

This course provides an in-depth, sophisticated coverage of criminal procedures surrounding investigations, stops, searches and seizure, arrests, interrogations, and procedural remedies.

*Interdisciplinary Option:* Sociolegal Studies

*Outcomes:*

Students will be able to identify and articulate the origin, interpretation and application of legal procedures as they relate to matters involving the police, and how these relate to the overall operation and effectiveness of the criminal justice system

**CJC 336 Political Violence and Crime (3 Credit Hours)**

This course offers a thematic approach to the study of different forms of political violence and crime, their causes and consequences, how different types of violence and crime manifest in the present day, and how violence is represented in popular culture.

*Interdisciplinary Option:* Global Studies, Peace, Justice, and Conflict Studies

*Outcomes:*

Students will learn to evaluate the ways in which violence and crime are used for political ends and assess the countermeasures taken by various international and government agencies to combat political violence

**CJC 337 Terrorism (3 Credit Hours)**

An analysis of different types of terrorist organizations across the globe and of the efforts by governments to combat terrorism.

*Interdisciplinary Option:* Global Studies, Peace, Justice, and Conflict Studies

*Course equivalencies:* X-PLSC337/INTS337/CJC337

*Outcomes:*

Students will be able to explain what motivates the turn to terror as a method of struggle and to assess the morality and effectiveness of the counterterrorism tactics adopted by various governments

**CJC 338 Community-Based Corrections (3 Credit Hours)**

This course examines the history, purpose, and functioning of probation and parole as well as other aspects of community-based supervision, including: pre-trial supervision, electronic monitoring, house arrest/home detention, day reporting centers, and other programs that provide both supervision and treatment of offenders in the community.

*Outcomes:*

Students will be able to articulate the organizational structure of community corrections programs, the roles community corrections play in the criminal justice system, and the effectiveness and challenges facing community corrections agencies

**CJC 345 Social Justice and Crime (3 Credit Hours)**

*Pre-requisites:* ANTH 100, PLSC 102, PSYC 100, SOCL 101, WSGS 101, or equivalent; please check requirements for declared majors/minors for exceptions

This course examines the social injustices in the criminal justice system's naming and sanctioning of harmful behaviors as crimes. Discussions will unpack the values, ethics, and ideologies underlying the current retributive system of sanctioning compared to social justice responses to crime.

*Knowledge Area:* Tier 2 Societal Knowledge

*Interdisciplinary Option:* Peace, Justice, and Conflict Studies, Psychology of Crime and Justice, Race and Ethnicity, Sociolegal Studies

*Outcomes:*

Articulate the meaning of social justice; Discuss restorative and retributive justice

**CJC 346 Mental Illness and Crime (3 Credit Hours)**

This course explores the relationship of mental illness to crime and violence. Topics include the nature, prevalence, and consequences of mental disorder, substance use, and violence among criminal offenders, violence risk assessment, and the institutional and other treatments for the mentally ill offender.

*Interdisciplinary Option:* Psychology of Crime and Justice

*Outcomes:*

Students will know (1) the history and development of research on mental illness and crime, (2) the various mental disorders endemic in the criminal justice system and their relationship to crime and violence, (3) assessment measures of the risk for violence, and (4) management and treatment of mentally ill offender

**CJC 351 Organized Crime (3 Credit Hours)**

This course offers an introduction to the study of organized crime in U.S. society. Emphasis is given to the history and development of traditional organized crime in Chicago. Emerging organized crime groups are also studied. In addition, this course offers an introduction to the concept of transnational organized crime.

*Interdisciplinary Option:* Italian American Studies, Italian Studies

*Outcomes:*

Students will articulate the extent and nature of organized crime, how it relates to other forms of criminal behavior, and the effectiveness of the justice system's response to it

**CJC 352 Gangs (3 Credit Hours)**

This course examines the historical development of urban street gangs with a view toward understanding their structure, characteristics, purposes, and activities. Particular emphasis is given to the history and development of street gangs in Chicago.

*Interdisciplinary Option:* Urban Studies

*Course equivalencies:* CRMJ352/URB352

*Outcomes:*

Students will demonstrate an understanding of the causes and history of street gangs, the methods used to control them, and their impact on society and the criminal justice system

**CJC 353 White Collar Crime (3 Credit Hours)**

This is a study of non-traditional crime engaged in by governmental and corporate entities, and persons in the "white collar" professions. It includes state political crimes, corporate violence and abuse of power, as well as occupational, financial, and environmental crimes, and enforcement of laws against such crimes.

*Outcomes:*

Students will be able to describe the nature and extent of white collar crime, how it differs from traditional crime, and the manner in which laws against such crimes are enforced

**CJC 354 Cybercrime (3 Credit Hours)**

This course examines the theory, practice, and prevention of cybercrime. It considers how advances in technology have led to the creation of cybercrime and new avenues for deviance. The course centers on various forms of cybercrimes and how theories of crime can be applied to explain and prevent cybercrime.

*Outcomes:*

Define the nature and scope of cybercrime, Analyze national and global digital law enforcement efforts, Critically consider laws and policies governing cybercrime detection and prosecution

**CJC 360 Substance Use and Crime (3 Credit Hours)**

This course will explore whether substance use is related to crime, the effect of drug trafficking on communities, the policies aimed at controlling drug use and their effectiveness, as well as the implications of current drug policies and practices on communities and on the criminal justice system itself.

*Interdisciplinary Option:* Psychology of Crime and Justice

*Outcomes:*

Students will describe the relationship between substance use and crime, the effects of substance use and abuse on communities, and the implications of current drug policies and practices

**CJC 365 Guns and Crime (3 Credit Hours)**

This course provides a comprehensive overview of issues associated with firearms, including their historical and contemporary use in the commission and prevention of crime, patterns of ownership and acquisition, and the form and effectiveness of attempts to control access to firearms and gun-related violence in the U.S.

*Outcomes:*

Students will be able to apply critical thought, scientific research, and a full understanding of the laws regulating access to firearms to objectively assess the nature of, and governmental response to, gun violence

**CJC 366 Crime Prevention (3 Credit Hours)**

This course examines the theory and practice of crime prevention. The course will review theories of crime and justice with specific implications for crime prevention efforts. Students will trace the evolution of crime prevention efforts. Most importantly, the course will review crime prevention strategies, ranging from those designed to protect the individual to those designed to protect society at large.

*Outcomes:*

Define and explain crime prevention, as an idea and as a practice; Define and explain the three broad categories of crime prevention; Know and explain how theories of crime and justice provide the foundation for particular methods of crime prevention; Describe and understand the importance of evaluation in judging the effectiveness of crime prevention techniques; Differentiate between crime prevention techniques pitched at different levels (individual, household, business, neighborhood)

**CJC 370 Women in The Criminal Justice System (3 Credit Hours)**

*Pre-requisites:* ANTH 100, PLSC 102, PSYC 100, SOCL 101, WSGS 101, or equivalent; please check requirements for declared majors/minors for exceptions

This course examines four areas relative to women in the criminal justice system: the historical view of female criminality; women as defendants in criminal cases and women in prison; women as victims of domestic violence and sexual assault; and women as professionals in the criminal justice system.

*Knowledge Area:* Tier 2 Societal Knowledge

*Interdisciplinary Option:* Women & Gender Studies

*Course equivalencies:* X-CRMJ370/WOST395/WSGS395

*Outcomes:*

Students will be able to describe the extent, nature and theories of female criminality and victimization and how this is consistent with and different from male criminality and victimization

**CJC 371 Victimology (3 Credit Hours)**

This course examines the scientific study of victimization, the relationships between victims and offenders, the interactions between victims and the criminal justice system, and the connections between victims and other social groups and institutions.

*Interdisciplinary Option:* Peace, Justice, and Conflict Studies, Psychology of Crime and Justice

*Course equivalencies:* X-CRMJ371/PAX 369

*Outcomes:*

Students will be able to describe the legal, social and psychological issues related to crime victimization, and current knowledge about the victim-offender and victim-criminal justice system relationships

**CJC 372 Race, Ethnicity, and Criminal Justice (3 Credit Hours)**

*Pre-requisites:* ANTH 100, PLSC 102, PSYC 100, SOCL 101, WSGS 101, or equivalent; please check requirements for declared majors/minors for exceptions

This course examines current research and theoretical perspectives related to race and ethnicity in crime and in criminal justice processing. It will cover such issues as racial profiling, the effects of drug laws on people of color, minority disenfranchisement from the criminal justice system, and crime and immigration.

*Knowledge Area:* Tier 2 Societal Knowledge

*Interdisciplinary Option:* African Studies and the African Diaspora, Human Services, Peace, Justice, and Conflict Studies, Psychology of Crime and Justice, Race and Ethnicity, Sociolegal Studies, Urban Studies

*Course equivalencies:* X-CJC/BWS/AFR/PLSC372/PAX373

*Outcomes:*

Students will demonstrate an understanding of contemporary issues relating to - and current research and theory about - race and ethnicity and their relationship to crime and criminal case processing

**CJC 373 Intimate Partner Violence (3 Credit Hours)**

This course will address the nature and scope of intimate partner violence, the factors that contribute to it as well as the theories that have been developed to explain it. Attention will be paid to society's responses to intimate partner violence.

*Interdisciplinary Option:* Human Services, Peace, Justice, and Conflict Studies, Psychology of Crime and Justice, Women & Gender Studies

*Course equivalencies:* CJC373/PAX374/WSGS392

*Outcomes:*

Students will be able to describe the theory, extent, nature, and impact of intimate partner violence, and how the community and criminal justice system respond to this problem

**CJC 374 Miscarriages of Justice (3 Credit Hours)**

This course takes an interdisciplinary approach to the study of criminal justice system error, drawing from criminology, psychology, and law, to examine wrongful conviction and acquittal, official misconduct, and discrimination. The course examines the rate of error, institutional responses to error, and how policies exacerbate, or minimize, miscarriage of justice.

*Interdisciplinary Option:* Psychology of Crime and Justice

*Outcomes:*

Critically evaluate criminal justice practices for their ability to administer justice; identify hallmarks of miscarriages of justice; analyze policy for its potential to prevent, or contribute to, miscarriages of justice

**CJC 375 Punishment and Society (3 Credit Hours)**

This course explores the dominant sociological approaches to understanding punishment in modern society. The course also focuses on punishment as practiced in the United States in light of these theoretical approaches, examining the collateral consequences of punishment and the importance of racial, gender, and sexual identities in relation to punishment.

*Interdisciplinary Option:* Race and Ethnicity

*Outcomes:*

Understand the philosophical justifications for punishment; understand social theories of punishment; critically assess the role punishment plays in modern society; understand the consequences of punishment for individuals, communities, and society

**CJC 376 Childhood Exposure to Violence (3 Credit Hours)**

This course examines the definitions, scope, and impact of violence and abuse in childhood. In particular, this course introduces students to the theoretical and empirical literatures relating to family violence, including child physical abuse, child sexual abuse, and child neglect, as well as child victimization in neighborhoods and schools.

*Interdisciplinary Option:* Human Services, Psychology of Crime and Justice

*Outcomes:*

To understand, critically analyze, and apply a variety of theories, conceptual frameworks, and empirical research to explain child victimization and the impact of exposure to violence on children

**CJC 377 Psychology and Law (3 Credit Hours)**

*Pre-requisites:* PSYC 101

Introduction to the areas of overlap between psychology and the law. Topics include roles of psychologists in legal settings, accuracy of eyewitness testimony, jury processes, accuracy of polygraph examinations, and issues surrounding the insanity defense.

*Interdisciplinary Option:* Peace, Justice, and Conflict Studies, Sociolegal Studies

*Course equivalencies:* X- CJC 377 / PSYC 372

*Outcomes:*

Students will learn to analyze biases in the U.S. jury system, elucidate the weaknesses of eyewitness testimony, outline the issues in the insanity defense, understand the issues in Rape Trauma Syndrome and Battered Spouse Syndrome, understand the methods and effects of scientific jury selection, understand the complex issues surrounding confessions, and view the US justice system in a social justice context

**CJC 378 International Criminal Justice (3 Credit Hours)**

This course is an introduction to the nature and scope of international and transnational crime, and the emerging legal framework for its prevention and control. It includes the history of the internationalization of crime control and measurement, and international trends in law enforcement, victim assistance, courts, sentencing, and corrections.

*Interdisciplinary Option:* Global Studies

*Outcomes:*

Students will examine globalization of crime; learn about international crime statistics; understand the prevalence of common crimes internationally; identify emerging crime threats; and understand international trends in criminal justice



**CJC 379 Leaving Crime Behind (3 Credit Hours)**

*Pre-requisites:* CJC 201

This course provides students with an examination of desistance from crime and the potential for rehabilitation in the criminal justice system. The course discusses theories of desistance, empirical research on desistance, and the extent to which the criminal justice system contributes to individuals' ability to desist from crime.

*Outcomes:*

Students will be able to: 1) analyze desistance theories; 2) describe crime patterns across the life course; 3) identify individual and community-level factors associated with desistance; and 4) critique rehabilitation approaches grounded in desistance theories

**CJC 380 Introduction to Forensic Science (3 Credit Hours)**

This course provides an overview of the basic principles and uses of forensic science within the field of criminal justice. The course is designed for criminal justice majors emphasizing the application of the forensic sciences in the criminal justice system.

*Outcomes:*

Students will be able to identify the uses and limitations of the existing forensic science techniques used within the field of criminal justice

**CJC 390 Capstone Experience Internship (1-6 Credit Hours)**

*Pre-requisites:* CRMJ Majors and Minors, Psychology of Crime and Justice Minors, Forensic Science Majors

The purpose of this course is to enhance the student's development and learning through observational and participatory experience in criminal justice agencies.

*Interdisciplinary Option:* Human Services

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will be able to contribute in a meaningful way to the operation of a specific criminal justice agency and be able to identify and describe the link between their field experience and prior courses

**CJC 391 Capstone Experience Research (3 Credit Hours)**

*Pre-requisites:* Instructor approval required; major in criminal justice; junior or senior standing; Students must complete CJC 205: Research Methods (or equivalent) and four additional CJC courses

The course will allow students to be actively engaged in a faculty member's research project, providing the student with an opportunity to apply the research skills that they already have and to acquire additional skills and knowledge about research design, statistical analysis, and writing research presentations, briefs, or papers.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

increasing knowledge about the research process from design, analysis, presentation, writing and policy implications

**CJC 395 Special Topics (3 Credit Hours)**

Special topics courses provide students with an opportunity to examine various criminal justice topics not normally offered as part of the Department's regular curriculum.

*Outcomes:*

Students will be able to gain an understanding of new issues confronting the criminal justice system, or an advanced understanding of traditional subjects covered in basic courses

**CJC 396 Independent Study (1-6 Credit Hours)**

This course provides students with the opportunity to examine a specific topic in the field of criminal justice that is currently not offered or available.

*Outcomes:*

Students will gain an in-depth understanding of a specific criminal justice topic through directed readings and independent study

**CJC 399 Senior Capstone (3 Credit Hours)**

*Pre-requisites:* 6 courses in Criminal Justice and Criminology and senior-standing only

This course is for CJC majors slated to graduate within two semesters.

This course is a culmination of the student's study of crime and criminal justice issues. It consists of projects aimed at integrating theory, knowledge, and research in the context of a variety of contemporary criminal justice problems, issues, and policies.

*Outcomes:*

Students will apply all that they have learned throughout their criminal justice courses and apply this knowledge to demonstrate a sophisticated understanding of criminal justice professions, practices, and policy

## Dance (DANC)

**DANC 111 Ballet I: Introduction to Ballet Theory and Technique (3 Credit Hours)**

Ballet I is designed to introduce the concepts and vocabulary of ballet with a focus on developing student's body awareness and control.

Students will learn about the art form of ballet in relationship to theatre, music and other forms of dance.

*Knowledge Area:* Artistic Knowledge and Experience

*Course equivalencies:* THTR111/DANC111

*Outcomes:*

Students will improve their posture, flexibility and coordination; They will develop a reference for enjoying ballet performances and create a foundation for further dance training

**DANC 121 Modern Dance I: Theories and Techniques (3 Credit Hours)**

Modern Dance I is designed to increase student's body awareness, strength, flexibility and musicality. The course studies the technique and theory of Fall and Recovery developed by Doris Humphrey.

*Knowledge Area:* Artistic Knowledge and Experience

*Course equivalencies:* THTR121/DANC121

*Outcomes:*

Students will develop a basic dance technique and be able to describe and demonstrate the differences between modern dance and ballet; They will understand the history of the development of modern dance as a uniquely American art form

**DANC 131 Jazz Dance I: Theories and Techniques (3 Credit Hours)**

Jazz I is designed to increase the student's body awareness, enjoyment of movement and appreciation of Jazz dance in theatrical productions.

May be repeated once for credit.

*Knowledge Area:* Artistic Knowledge and Experience

*Course equivalencies:* THTR131/DANC131

*Outcomes:*

Students will improve their strength, coordination, flexibility and correct posture; They will develop basic skills and vocabulary for performing Jazz movements and a framework to view dance in theatrical productions

**DANC 212 Ballet Dance II: Theory and Technique (2 Credit Hours)**

Prerequisite Skills: Students should be familiar with the five feet and arm positions and be able to work in 5th position of the feet. Dancers should demonstrate correct alignment of the pelvis and spine in plié and relevé and while working at the barre. Dancer must be able to execute correct articulation of the feet and leg in tendu. They should be familiar with basic petite allegro and action of the feet, hips and legs while jumping. This is a continuing ballet class designed to build on established vocabulary and movement fundamentals with emphasis on ballet as a theatrical art form.

This course satisfies the Engaged Learning requirement.

*Course equivalencies:* THTR212/DANC212

*Outcomes:*

This class further develops strength, posture, flexibility and coordination; Progressions include more work en relevé at the barre, development of leg extensions, single leg jumping and more complex movement combinations; Students will develop awareness of a dancer's role in a ballet production

**DANC 213 Ballet III: Advanced Continuing Ballet (2 Credit Hours)**

Pre-requisite skills: Student must demonstrate correct alignment and articulation at the barre and in the center when standing in first or fifth position. Student should have introductory proficiency in pirouettes en dehors and en dedans as well as petit allegro. This course serves students who have achieved proficiency in the basic elements of Continuing Ballet, but need to develop skills to meet the Intermediate level. Course focuses on reinforcing foundational technique in alignment and articulation and provides opportunities to develop strength, coordination and vocabulary required to advance to 311 Intermediate Ballet.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will increase their awareness of overall dance alignment and articulation; They will develop strength, coordination and vocabulary preparing them for Intermediate Ballet; Students will enhance their ability to travel across the floor as well as conduct pirouettes; Adagio work in the center and grand allegro is introduced

**DANC 222 Modern Dance II: Theory and Technique (2 Credit Hours)**

Prerequisite Skills: Dancers should be able to maintain correct alignment of the legs, back and pelvis standing and shifting their weight. Must be familiar with 1st and 2nd position of the legs and demonstrate basic articulation of the legs in tendu and jumping. This course is designed to further increase student's body awareness, strength, flexibility and musicality. We will study the technique and theory of Fall and Recovery developed by Doris Humphrey as well as learn short excerpts of repertory to be analyzed. May be repeated once for credit.

This course satisfies the Engaged Learning requirement.

*Course equivalencies:* THTR222/DANC222

*Outcomes:*

Students will further develop their modern dance technique and be able to execute more physically challenging falls and longer and more complex movement combinations

**DANC 224 Majors Modern II (1 Credit Hour)**

This course is designed for Dance majors to increase their body awareness, strength, flexibility and musicality through the study the technique and theory of Fall and Recovery developed by Doris Humphrey. Restricted to Dance Majors.

*Outcomes:*

Students will develop their modern dance technique including falls and longer and more complex movement combinations; They will further their understanding of spatial patterns and musicality

**DANC 232 Jazz Dance II: Theories and Techniques (2 Credit Hours)**

Prerequisite Skills: Dancers should demonstrate correct placement of the legs, back and pelvis standing and in plié. They should be able to demonstrate basic jazz turns, jazz runs and pas de bourée. Dancers need to use correct position and opposition of the arms in combinations. Jazz II is designed to further develop student's technical ability and awareness of Jazz dance in theatrical productions. Students will learn about professional Jazz dance in Chicago and improve their strength, coordination, flexibility and correct posture in increasingly complex combinations applying the vocabulary and principles of jazz dance. May be repeated once for credit.

This course satisfies the Engaged Learning requirement.

*Course equivalencies:* THTR232/DANC232

*Outcomes:*

Students will improve their dance technique, performance skills and appreciation of Chicago's rich tradition of Jazz dance performance

**DANC 240 Dance Practicum (1 Credit Hour)**

*Pre-requisites:* THTR 253

Students apply stagecraft for dance in a variety of domains: costuming, lighting, electrics and sound. They will work as running crew for a mainstage dance production.

*Outcomes:*

Students will acquire a variety of skills necessary for producing dance; including collaboration and organization skills and will gain appreciation for the complexity dance production

**DANC 250 Historical Contexts in Contemporary Dance Practice (3 Credit Hours)**

*Pre-requisites:* Must be a Dance major or Dance minor

This course surveys historical flashpoints in the evolution of American contemporary dance. It provides a critical framework for interrogating cultural and sociopolitical influences on concert dance practice and performance. Students will analyze intersecting aesthetics originating from the French courts of Catherine de Medici and Louis XIV, the Atlantic slave trade and Asian theatrical dance forms such as kabuki and bharatanatyam in the development of ballet, modern, tap, jazz and musical theater dance.

*Outcomes:*

Students will be able to identify historical figures and events that have significantly influenced American theatrical dance; This course gives students the ability describe and interpret dance history by contextualizing sociopolitical and cultural influences on the evolution of dance aesthetics while applying critical race, queer and feminist theoretical frameworks to their understanding of contemporary dance in America

**DANC 260 Topics in Dance (2 Credit Hours)**

This course is a studio course that explores the theories and techniques of various dance forms. A specific dance genre will be selected each time the course is offered. The course may be repeated two times for credit.

*Outcomes:*

The student will gain a historical perspective on the dance form presented, as well as demonstrate specific skills required of the dance form

**DANC 261 Topics in Applied Dance (1-2 Credit Hours)**

This is an all-inclusive heading for courses rarely offered that serve under the Applied Technique designation for the Dance Minor.

*Outcomes:*

Each offering will provide discipline-specific vocabulary and applied skill acquisition

**DANC 270 Dance Kinesiology (3 Credit Hours)**

*Pre-requisites:* Must be an enrolled Dance Major or Dance Minor

The purpose of this class is to present dancers with basic knowledge of the anatomy, physiology, and biomechanics of human movement in dance and non-dance applications.

*Outcomes:*

Students participate in lecture, physical practice, group and individual projects to understand the mechanisms for dance movement and how movement patterns contribute to the presence or absence of dance injuries

**DANC 275 Global Influences on Contemporary Dance Practice (2 Credit Hours)**

*Pre-requisites:* Must be Dance Major or Dance Minor or have instructor approval

This seminar-styled course provides essential experience and knowledge through applied study of diverse lenses and movement styles contributing to contemporary dance practice.

*Outcomes:*

Identify, Demonstrate and Discuss non-western influences on contemporary dance choreography and practice

**DANC 280 Dance & Disability: Interdisciplinary Theory & Applied Movement Practices (3 Credit Hours)**

This course explores interdisciplinary theory and applied innovation at the intersection of movement, science, and community engagement.

*Outcomes:*

Students will demonstrate a working knowledge of best interdisciplinary practices in disability dance practices, and will develop strategies that address the physical, social, and cultural implications of physically integrated dance in multiple settings

**DANC 312 Pointe I: Theory and Techniques (1 Credit Hour)**

*Co-requisites:* DANC 213 or 341

This course is practice-oriented and builds on dancers' knowledge of ballet vocabulary, alignment, and strength. Pointework is geared towards the development of a higher level of articulation in classical footwork.

*Outcomes:*

The student will gain a deeper understanding of ballet technique en pointe, as well as demonstrate specific skills required of the dance form

**DANC 314 Pointe II: Continuing Pointework (1 Credit Hour)**

This is a studio class that explores ballet technique en pointe. This course is to be taken concurrently with DANC 313 Ballet V Advanced Ballet or 343 Advanced Majors Ballet. Students must be enrolled in Advanced Ballet to be eligible for enrollment in Pointe II. This course explores continuing ballet technique en pointe. It requires students to apply and synthesize all aspects of pointework studies including technique, spatial awareness, dynamics and group forms by preparing and presenting a public performance. It must be taken concurrently with DANC 313 Ballet V or 343 Advanced Majors Ballet. May be taken 8 times for credit.

*Outcomes:*

Students gain a deeper understanding of pointe technique, as well as demonstrate specific advanced skills required of the dance form; Students apply and synthesize material in a public performance

**DANC 323 Rehearsal and Performance (1 Credit Hour)**

*Pre-requisites:* Permission of the department

Dancing, choreographing, or stage managing, in a campus production. Completion of a journal or paper is required. May be repeated up to 12 times.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will gain performance experience, assess personal artistic growth, and reflect on application of performance theory and technique into production practice

**DANC 324 Modern III: Theory and Techniques (1 Credit Hour)**

This studio course develops core strength, coordination and musical, spatial and performance skills through the study the technique and theory developed by Martha Graham as well as contemporary dance practices.

*Outcomes:*

Dancers will improve coordination, phrasing, physical power, shift of weight, anatomical awareness, performance, projection, flexibility and placement

**DANC 331 Jazz Dance III: Intermediate Jazz Dance Theories and Techniques (2 Credit Hours)**

*Pre-requisites:* Permission of the Instructor

This course develops students' ability to execute Jazz dance technique at an intermediate level. Students improve their dance technique, dynamic, spatial and performance skills. Students apply and synthesize all aspects of jazz dance technique in public performance. This course may be taken six times for credit.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students improve core strength, coordination, flexibility and correct posture at the intermediate level, in increasingly complex combinations applying and synthesizing all concepts and technique in public performance

**DANC 341 Ballet IV: Anatomical Foundations and Cultural Context (1 Credit Hour)**

This applied studio technique course emphasizes contemporary scientific anatomical research and cultural context in the study of ballet. Course skills and concepts are applied and synthesized through presentation of a public performance.

*Outcomes:*

Students will improve strength, alignment, and ensemble skills, develop knowledge and apply anatomical principles, connect the study of ballet to cultural and artistic context

**DANC 343 Ballet V: Advancing Ballet: Contemporary Methodologies in Applied Ballet (1 Credit Hour)**

This applied studio technique course emphasizes contemporary best practices in the study of Ballet in performance and theory in order to advance artistic and technical proficiency. Course skills and concepts are applied and synthesized through presentation of a public performance.

*Outcomes:*

Students will improve strength, alignment, and ensemble skills, develop knowledge of universal dance principles and advance their proficiency in contemporary ballet practice; Course skills and concepts are applied and synthesized through presentation of a public performance

**DANC 360 Dance Pedagogy (3 Credit Hours)***Pre-requisites:* Dance major or dance minor

The study child development, sequential dance pedagogy, biomechanics, nutrition and classroom management techniques as it relates to the teaching of dance. Coursework includes lecture, readings, model teaching, and research. Students observe master teachers instructing children of all ages and create sequential lesson plans consisting of all elements of dance pedagogy.

*Outcomes:*

Students will demonstrate a working knowledge of child development in relationship to age-appropriate dance skills as well as behavioral expectations; They will develop strategies that address the sequences of skill acquisition as well as concrete strategies for classroom management

**DANC 370 Dance Composition (3 Credit Hours)***Pre-requisites:* Must be a Dance Major or Dance Minor to enroll; Placement in Level III or higher dance technique courses; Permission of the department required

This course takes students from an introduction to dance composition theory and techniques through the process of creating a group work for the stage. Course work includes lecture, discussion, selected readings, viewing of masterworks of dance composition, creation of several dance studies on various themes and culminates in the creation of a work for performance in the Student Choreographic Showcase.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Through the development of short dance students learn the principles of dance composition and then apply them to their own creation performed for a public audience

**DANC 380 Senior Showcase Capstone (1 Credit Hour)**

Restricted to Senior Dance Majors. This course serves as the capstone of the Dance major and creates a platform for dancers to apply technical skills, theory and practice from many required courses for the Bachelor of Arts including DANC 341/DANC 343 Majors Ballet, DANC 321 Majors Modern, DANC 323 Rehearsal and Performance and DANC 370 Dance Composition.

*Outcomes:*

Dance majors will apply and synthesize all applied technique courses taken for their dance majors as well as integrate their knowledge of the choreographic and performance process

**DANC 394 Internship in Dance (1-12 Credit Hours)**

Dance students complete a semester long internship providing an opportunity to use their technical, research or organizations skills in a professional setting. Students must complete and reflect upon 50 hours of internship experience per credit hour that is pre-approved by the Department of Fine and Performing Arts. Department permission is required.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students gain professional experience working at a dance organization while reflecting on their work experience and applying theories and techniques acquired from their first dance courses

**DANC 395 Independent Study (1-12 Credit Hours)***Pre-requisites:* Written permission of chairperson

Independent study projects may be of various kinds and in any recognized area of the dance. Such projects should be done under the close supervision of a dance faculty member.

*Outcomes:*

To be determined by the student in consultation with the chairperson and dance faculty supervisor

**DANC 397 Fieldwork in Chicago - Dance (1-12 Credit Hours)**

Variable credit (1-6 hours) given for performances or projects undertaken with professional dance organizations outside the university. Students keep a journal and write evaluative papers. Permission of the Department of Fine and Performing Arts Required. Repeatable for up to 6 credit hours, however no more than 6 credit hours of Internship or Fieldwork can be applied to the major.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Specific outcomes and credit hours assigned to be determined by the student in consultation with the Director of Dance and the project supervisor

**DANC 398 Research in Dance (1-12 Credit Hours)***Pre-requisites:* DANC 323

Faculty serve as mentors for dance students pursuing research opportunities. Platforms cross various domains in cognitive, psychomotor, and artistic development. Students and faculty work together to generate qualitative and quantitative data documented in multiple modalities including: dancemaking, regression analyses, interviews, correlational and case studies. This course satisfies the Engaged Learning-Undergraduate Research requirement.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will learn discipline-specific language skills, research ethics and methodologies; Students will gain valuable skills disseminating research through performances, scholarly articles, conference presentations and research symposia

## Data Science (DSCI)

**DSCI 101 Fundamentals of Modern Data Science with R (3 Credit Hours)**

This course is designed to be an introduction to the basics of data science with R. Students will learn the very basics of data science and introductory programming skills for working with data.

*Outcomes:*

Students will learn basic programming skills for working with different types of data as well as data visualization, data wrangling, and data management practices

**DSCI 399 Data Science Internship (1-3 Credit Hours)***Pre-requisites:* DSCI internship coordinator and DSCI program director consent required

This course provides data science students with an opportunity to apply the knowledge obtained through their previous coursework as well as obtain course credits by working on data science projects through paid or unpaid internships. All projects for this course must be accompanied by a written form to be filled out by the student and their internship supervisor, and approved by the data science internship coordinator (DSIC). Students will receive 1 credit hour for every 50 hours worked at the approved internship for a maximum of 3 credit hours. Students taking this course will fulfill their data science capstone requirement.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

The ability to manage large data sets in preparation for data science analysis; The ability to perform a data science analysis from beginning to end while adhering to the principles of reproducible research; The ability to program in both the R and Python programming languages



## Economics (ECON)

### **ECON 201 Principles of Microeconomics (3 Credit Hours)**

*Pre-requisites:* ANTH 100, PLSC 102, PSYC 100, SOCL 101, WSGS 101, or equivalent; please check requirements for declared majors/minors for exceptions

This course is an introduction to demand and supply, consumer choice, price analysis in alternative industrial organizations, and the distribution of income.

*Knowledge Area:* Tier 2 Societal Knowledge

*Course equivalencies:* ECON201/201H/ACECO201/CPST243

*Outcomes:*

Students will be able to think critically about price formation in different market structures, and how prices, household incomes and income distribution in a diverse society are determined with interpretations based on the concepts of opportunity costs and decision making under uncertainty

### **ECON 201H Principles of Microeconomics - Honors (3 Credit Hours)**

Requirement: ANTH 100, PLSC 102, PSYC 100 or SOCL 101 for students admitted to Loyola University for Fall 2012 or later. No requirement for students admitted to Loyola prior to Fall 2012 or those with a declared major or minor in the Department of Anthropology, Department of Criminal Justice, Department of Economics, Department of Psychology, Department of Political Science, the Department of Sociology, Human Services or the School of Nursing. Restricted to SBA honors students or Honors students. This course is an introduction to demand and supply, consumer choice, price analysis in alternative industrial organizations, and the distribution of income.

*Knowledge Area:* Tier 2 Societal Knowledge

*Course equivalencies:* ECON201/201H/ACECO201/CPST243

*Outcomes:*

Students will be able to think critically about price formation in different market structures, and how prices, household incomes and income distribution in a diverse society are determined with interpretations based on the concepts of opportunity costs and decision making under uncertainty

### **ECON 202 Principles of Macroeconomics (3 Credit Hours)**

*Pre-requisites:* ANTH 100, PLSC 102, PSYC 100, SOCL 101, WSGS 101, or equivalent; please check requirements for declared majors/minors for exceptions

This course is an introduction to national product, its components, money and the real sectors and business fluctuations.

*Knowledge Area:* Tier 2 Societal Knowledge

*Course equivalencies:* ECON202/ECON202H/ACECO202/245

*Outcomes:*

The students will be able to think critically about the economic environment of the nation and to measure growth, unemployment, inflation, fiscal and monetary policies of the government, to ultimately understand economic stability and the welfare of the individual citizen

### **ECON 202H Principles of Macroeconomics - Honors (3 Credit Hours)**

Restricted to SBA honors students or Honors students. This course is an introduction to national product, its components, money and the real sectors and business fluctuations.

*Course equivalencies:* ECON202/ECON202H/ACECO202/245

*Outcomes:*

The students will be able to think critically about the economic environment of the nation and to measure growth, unemployment, inflation, fiscal and monetary policies of the government, to ultimately understand economic stability and the welfare of the individual citizen

### **ECON 303 Intermediate Microeconomics (3 Credit Hours)**

*Pre-requisites:* Sophomore standing; minimum grade of C- in ECON 201 or 201H; ECON 202 or 202H; and one of the following: MATH 130, MATH 131, or MATH 161

This course is a detailed study of consumer and firm behavior, market structures, and the elementary propositions concerning welfare economics.

*Course equivalencies:* ECON303/303H

*Outcomes:*

The students will develop analytical skills to understand and predict consumer and firm behavior, understand the underlying pinning of antitrust legislation and dynamic market strategies

### **ECON 304 Intermediate Macroeconomics (3 Credit Hours)**

*Pre-requisites:* Sophomore standing; minimum grade of C- in ECON 201 or ECON 201H; ECON 202 or ECON 202H; and one of the following: MATH 130, MATH 131, or MATH 161

This course develops the framework used by economists in government, business and academia to analyze the key determinants of economic growth, the business cycle, unemployment, inflation, the level of interest and exchange rates, as well as explaining how all these variables are influenced by monetary and fiscal policy.

*Outcomes:*

The students are able to understand and critically analyze business cycles, financial market fluctuations, and to study inflation and unemployment policies

### **ECON 320 Urban Economics (3 Credit Hours)**

*Pre-requisites:* Sophomore standing, minimum grade of "C-" in ECON 201 and 202

This course analyzes the economic role and functioning of cities and examines urban issues such as real estate markets, transportation, economic development, and crime.

*Interdisciplinary Option:* Urban Studies

*Course equivalencies:* X-ECON320/URB320

*Outcomes:*

Students will understand the economic forces that shape urban agglomerations; Students will understand the economic and ethical trade-offs of various urban economic policies; They will be able to think critically about the economic forces that make a city grow and contract over time

### **ECON 323 International Economics (3 Credit Hours)**

*Pre-requisites:* Sophomore standing, minimum grade of "C-" in ECON 201 and 202

This course analyzes microeconomic and macroeconomic theories of global trade; balance of payments, adjustment problems and the international monetary system.

*Interdisciplinary Option:* Global Studies, International Business

*Course equivalencies:* X-ECON323/INTS323

*Outcomes:*

Students will be able to demonstrate the ability to critically apply microeconomic and macroeconomic concepts to the understanding of international economic phenomena/problems; This course emphasizes the role of economic leadership to promote peace and justice in a global diverse world

**ECON 324 International Monetary Relations (3 Credit Hours)**

*Pre-requisites:* Sophomore standing, minimum grade of "C-" in ECON 201 and 202

Examination of the operation of the international monetary system and an analysis of the determination of currency flows between countries, with topics of balance of payments statements, currency flows between countries, determination of exchange rates, and international liquidity problems.

*Interdisciplinary Option:* Global Studies, International Business

*Course equivalencies:* X-ECON324/INTS324

*Outcomes:*

Student will be able to demonstrate an understanding of the operation of the international currency market and be able to analyze exchange rates with an emphasis on international liquidity and currency problems, and risk management of currency fluctuations

**ECON 325 Economics of Growth & Development (3 Credit Hours)**

*Pre-requisites:* Sophomore standing, minimum grade of "C-" in ECON 201 and 202

This course describes and analyzes the problems and policy issues facing developing countries and the third world with respect to their economic and social policies and programs.

*Interdisciplinary Option:* Global Studies, International Business

*Course equivalencies:* X-ECON325/INTS325

*Outcomes:*

The students are trained to evaluate the economic conditions that are conducive to economic growth and critically assess ethical arguments as they relate to growth, trade, and poverty in emerging countries; The role of leadership is emphasized

**ECON 327 American Economic & Business History (3 Credit Hours)**

*Pre-requisites:* Sophomore standing, minimum grade of "C-" in ECON 201 and 202

This course emphasizes the evolution and the role of past business leaders of the American economy from the colonial times to the present, emphasizing the entrepreneurs and the environments in which they operated. Economic and business change in the period 1865-1914 receives particular attention, as do the enterprises of Chicago-area entrepreneurs.

*Outcomes:*

Students learn the skills required of entrepreneurs and business leaders and their contribution to society; Students will develop an awareness of the historical dynamics that produced the current economy, and how its institutions evolved and the importance of markets in allocating resources

**ECON 328 Environmental Economics (3 Credit Hours)**

*Pre-requisites:* Sophomore standing, minimum grade of "C-" in ECON 201

This course applies economic theory to environmental and natural resource problems and policies, investigates the role economic incentives play, and discusses externalities, property rights, common property problems, pollution and pollution control, and renewable and non-renewable resource management.

*Course equivalencies:* X-ECON328/ESP 328

*Outcomes:*

Students will understand that environmental problems are fundamentally economic problems that come about because there is a market failure (eg, an externality or public good) and that environmental problems have economic solutions

**ECON 329 Health Economics (3 Credit Hours)**

*Pre-requisites:* Sophomore standing and a minimum grade of "C-" in ECON 201

This course provides an understanding of the unique economic complexities of the health care industry and individual health behaviors. Relying on economic principles of scarcity, efficiency, productivity, and market behavior, demand and supply of health care, the role of government in determining health care policy, and medical practices are explored.

**ECON 334 Economics of Government Expenditures & Taxation (3 Credit Hours)**

*Pre-requisites:* Sophomore standing, minimum grade of "C-" in ECON 303 and 304

This course is an analysis of taxation and expenditure, instruments and policies as they relate to the allocative, distributive, and stabilization functions of government and society and ethical responsibilities of each.

*Outcomes:*

The student are able to understand and analyze public policy issues, specifically as it relates to the voting process, size of government, tax policy debates, and long-term problems of transfer payments in an aging society

**ECON 336 Monetary and Fiscal Policy (3 Credit Hours)**

*Pre-requisites:* Sophomore standing, minimum grade of "C-" in ECON 201, 202 and 304

This course uses macroeconomics to critically analyze the evolution of monetary and fiscal policy from the late 19th century to the present as well as current trends and topics relating to monetary and fiscal policy.

*Outcomes:*

Students will develop critical economic thinking skills as they apply macroeconomic theory to historical events and discuss the potential future paths of the world economy and for assessing the leadership role of the government and Federal Reserve System in stabilizing the domestic and world economy

**ECON 346 Econometrics (3 Credit Hours)**

*Pre-requisites:* Sophomore standing; minimum grade of "C-" in ISSCM 241 or ISSCM 241H or STAT 103; ECON 202; ECON 303; and MATH 130 or MATH 131 or MATH 161

This course teaches students how to use statistical tools to evaluate hypotheses about economic models.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will be able to interpret and critically analyze quantitative information related to economics; Students will understand regression analysis and understand how to use it to test economic models and to measure important economic parameters, and to predict economic relationships

**ECON 360 Labor Economics (3 Credit Hours)**

*Pre-requisites:* Sophomore standing, minimum grade of "C-" in ECON 303

This course is an intensive examination of the market for labor services, and discusses wage determination, occupational and earnings differentials, diversity, investments in education, collective bargaining, and the ethical implications of labor market inequality.

*Outcomes:*

Students will gain a broad understanding of how economists study labor market issues and outcomes, and be able to use critical economic reasoning to better appreciate such issues as labor force participation decisions, human capital, and the variation in wages across individuals

**ECON 370 Pricing & Industrial Organization (3 Credit Hours)**

*Pre-requisites:* Sophomore standing, minimum grade of "C-" in ECON 303  
This course investigates firm behavior, strategies and market outcomes in settings of less than perfect competition.

*Outcomes:*

Students learn to evaluate various strategies both in terms of firm profitability as well as consumer surplus

**ECON 395 Independent Study in Economics (1-3 Credit Hours)**

*Pre-requisites:* Sophomore standing, instructor and dean permission required

Student will conduct in-depth research or reading, initiated by the student and jointly developed with a faculty member, into a specialized area of Economics not otherwise covered by department course offerings.

*Outcomes:*

Students will be able to demonstrate in-depth understanding of a specialized area or topic in Economics

**ECON 399 Special Topics in Economics (1-3 Credit Hours)**

*Pre-requisites:* Sophomore standing

Scheduled classes are offered on an ad hoc basis. Specific titles, prerequisites and content will vary.

*Outcomes:*

Students will be able to demonstrate understanding of specialized topics not otherwise covered by department regular course offerings

## Engineering (ENGR)

**ENGR 100 Engineering Design Fundamentals (1 Credit Hour)**

Restricted to students transferring into Engineering. This course provides an introduction to engineering design for students transferring into Engineering, who have completed an external Engineering Graphics course. Major topics include engineering estimation, 2k factorial design, teamwork, engineering ethics, and requirement specifications.

*Outcomes:*

Demonstration of proficiency in engineering design

**ENGR 101 Introduction to Engineering Design (4 Credit Hours)**

Restricted to Engineering students. This course is the first of four engineering design courses in the Engineering curriculum. Major topics in this course include engineering estimation, three dimensional computer-aided design, 2k factorial design, teamwork, engineering ethics, requirement specifications, and design iteration.

*Outcomes:*

1) Demonstration of proficiency in engineering design; 2) Application of teamwork principles to an open-ended design project

**ENGR 102 Engineering Freshman Seminar (1 Credit Hour)**

This seminar offers a shared learning experience with an assignment of a service project and exposure to Industrial Advisory Board members and Loyola administrators and faculty. In addition to providing intellectual enhancement to the program, these seminars give us a time and place to regularly interact. This class is restricted to Engineering freshman.

*Outcomes:*

Encourage bonding through a service project, stimulate thoughtful interaction, provide connections with the faculty, and connect to the broader industry community

**ENGR 201 Experiential Engineering (3 Credit Hours)**

*Pre-requisites:* COMP 170 and (PHYS 112K or PHYS 122) (each with minimum C-); Corequisite: CHEM 171

This course introduces students to environmental, biomedical and computer engineering-based sensors and signal analysis techniques. Major topics in this course include an introduction to common biomedical sensors, electronics, signals, sampling, analog-to-digital conversion, c programming, microcontroller system architectures, and microcontroller programming.

*Outcomes:*

Provide an experiential environment to learn about instrumentation and sensors in biomedical, computer and environmental engineering; Introduce complex devices and systems to understand, measure and analyze signals

**ENGR 311 Engineering Systems I (3 Credit Hours)**

*Pre-requisites:* ENGR 201 with a minimum grade of C-; Restricted to Applied Mathematics and Engineering majors; Concurrent enrollment in MATH 266 (Engineering majors only)

ENGR 311 covers the fundamentals of signal and system analysis, focusing on representations of discrete-time and continuous-time signals and representations of linear, time-invariant systems. Major topics in this course include convolution, Fourier series, Fourier Transform, and unit impulse and unit step functions. Applications are drawn broadly from engineering and physics.

*Outcomes:*

Understand basic concepts of discrete and continuous time signals; Employ Fourier analysis to analyze simple LTI systems; Proficiently use MATLAB as a numerical analysis tool

**ENGR 312 Engineering Systems II (3 Credit Hours)**

*Pre-requisites:* ENGR 311, ENGR 321, (MATH 264 or MATH 266), and COMP 170

Introduces numerical methods and control systems theory. Students are exposed to root finding, numerical integration and differentiation, numerical solutions to ODEs, curve fitting and regression techniques, classical control system theory methods (Laplace transforms and transfer functions, root locus design, Routh-Hurwitz stability analysis, Bode and Nyquist plots) and the state variable method (controllability and observability). Employ the state variable method.

*Outcomes:*

Understand the concepts of numerical methods, their strengths and weaknesses; Use MATLAB as a numerical analysis tool; Apply Laplace transforms and transfer functions

**ENGR 313 Engineering Systems III (3 Credit Hours)**

*Pre-requisites:* ENGR 312 with a minimum grade of C-; Restricted to Applied Math and Engineering majors

This course is an introduction to discrete-time signal processing and system identification. Major topics include the z-transform, infinite/finite impulse response filters, discrete/fast Fourier transform, models of linear time-invariant systems, and parameter estimation methods.

*Outcomes:*

Reinforce fundamental knowledge of signal processing concepts; Execute discrete-time signal processing techniques; Solve real-world problems through use of modeling, prediction, and estimation methods

**ENGR 321 Electronic Circuits & Devices (2 Credit Hours)**

*Pre-requisites:* PHYS 112K or PHYS 122 (minimum C-); Corequisites: ENGR 311 and (MATH 266 or MATH 264)

This course is an introduction to electronic circuits and devices. Major topics in this course include an introduction to Ohm's Law, Kirchhoff's Current Law, Kirchhoff's Voltage Law, Nodal and Loop analysis, Thevenin's and Norton's Theorems, and alternating current steady-state analysis.

*Outcomes:*

Define and explain the terminology associated with linear circuit theory; Identify and solve linear circuits utilizing the most appropriate method for the analysis

**ENGR 322 Chemical & Thermal Processes (3 Credit Hours)**

*Pre-requisites:* (CHEM 171 or CHEM 102), (PHYS 111 or PHYS 121), (PHYS 112K or PHYS 122), and MATH 162 (each with minimum C-)

This course provides an introduction to basic chemical and thermal processes. Major topics include open and closed systems, control volumes, microscopic vs. macroscopic, mass and energy balances, first and second laws of thermodynamics, entropy balance, exergy balance, thermodynamic cycles, thermodynamic property relations, gas laws, and chemical thermodynamics.

*Outcomes:*

Describe engineering systems and cycles using mass and energy conservation laws, quantify chemical and thermodynamic properties of pure substances, and analyze thermodynamics cycles and processes

**ENGR 323 Digital Electronic & Computer Engineering (3 Credit Hours)**

*Pre-requisites:* (PHYS 112K or PHYS 122) and COMP 170 (each with minimum C-); Corequisite: ENGR 324L

This course is an introduction to digital design. Major topics in this course include, but is not limited to, binary conversions, logic gates, combinational logic design, sequential logic design, microprocessor architecture, and an introduction to hardware description languages.

*Outcomes:*

Understand the fundamental building blocks of digital systems; Understand and apply knowledge in the implementation and design of digital circuits

**ENGR 324 Mechanics (3 Credit Hours)**

*Pre-requisites:* (PHYS 111 or PHYS 121), (PHYS 112K or PHYS 122), and (MATH 264 or MATH 266) (each with minimum C-)

Mechanics covers the fundamentals of modeling continuous media. Major topics include stress, strain, and constitutive relations; elements of tensor analysis; basic applications of solid and fluid mechanics; and application of conservation laws to control volumes.

*Outcomes:*

Construct free-body diagrams to undertake structural analysis; Apply the laws of conservation to solve engineering problems

**ENGR 324L Core Engineering Lab (1 Credit Hour)**

*Pre-requisites:* ENGR majors only; Corequisites: ENGR 322, ENGR 323, and ENGR 324

This lab course enables students to experiment with concepts learned in concurrently taken core engineering courses ENGR 322, ENGR 323, and ENGR 324.

*Outcomes:*

Understand, apply and create an assembly-based program for ARM-based microprocessors; Apply Thermodynamic and Flow principles in an experimental context

**ENGR 325 Materials Engineering (3 Credit Hours)**

*Pre-requisites:* ENGR 322 and ENGR 324 (minimum of C-)

This course introduces concepts related to the structure, properties, and processing of materials commonly used in engineering applications. Major topics include material structure, bonding, crystalline and non-crystalline structures, imperfections, properties of metals, metal alloys, ceramics and polymers, phase transformation, and material failures.

*Outcomes:*

Describe the microscale structure of metals, ceramics, polymers, and composites; quantify and describe relationships among structure, processing, and properties; understand the role of material selection in contemporary engineering design applications

**ENGR 341 Medical Device Systems (3 Credit Hours)**

*Pre-requisites:* MATH 266, ENGR 321, ENGR 323, ENGR 324, BIOL 101, and CHEM 171; ENGR majors only; Corequisites: ENGR 325, ENGR 341L, and ENGR 313

The relevant physiology, clinical need, history, and system descriptions of eighteen fundamental medical devices are discussed and analyzed. Students are also introduced to several medical device systems, including medical instruments, electrical stimulators, and combination products. These topics provide a foundational background for medical device product development and regulation.

*Outcomes:*

Understand and analyze the clinical need and common subsystems underlying eighteen fundamental medical devices; Evaluate the battery requirements for commonly implantable medical devices

**ENGR 341L Medical Device Systems Laboratory (1 Credit Hour)**

Introduction to the graphical user interface, data acquisition, and sensors of common medical devices. The lab experiments are synchronized with the presentation of medical device topics in ENGR 341. Students also create a software application for a Sponsor from the School of Nursing. Restricted to Engineering majors. Concurrent enrollment in ENGR 341. Apply FDA design control principles for creation of a nursing software application and accompanying requirement and design specifications.

*Outcomes:*

Use common medical devices subsystems

**ENGR 342 Medical Device Software Development I (3 Credit Hours)**

*Pre-requisites:* ENGR 341 and ENGR 341L, each with a minimum grade of C-

This is the second semester of a three-semester Specialty course series for students specializing in Biomedical Engineering. During the first four weeks, students increase their programming skills through exposure to recurrence solving, sorting, and data structures. They then learn how design and verify medical device software using model-based engineering. Restricted to Engineering majors. Concurrent enrollment in ENGR 381.

*Outcomes:*

Design a medical device through model-based engineering concepts



**ENGR 343 Medical Device Software Development II (3 Credit Hours)**

*Pre-requisites:* Restricted to Engineering majors

This is the third semester of a three-semester Specialty course series for students specializing in Biomedical Engineering. During four weeks, students increase their programming skills through exposure to advanced data structures and graph algorithms. Separately, software issues that the Food and Drug Administration considers during medical device submissions are highlighted. ENGR 342 with a minimum grade of C-, concurrent enrollment in ENGR 391.

*Outcomes:*

Analyze software issues that the FDA considers during medical device submissions; Create user interface and cybersecurity code, according to Requirements Specifications provided by the instructor

**ENGR 351 Electronic Circuit Analysis and Design (3 Credit Hours)**

*Pre-requisites:* ENGR 201, ENGR 312, and ENGR 321 (each with minimum of C-); Corequisite: ENGR 351L

A course for engineering students (computer engineering) that introduces advanced topics in the design and analysis of analog and digital electronic circuits. Areas of emphasis include an introduction to semiconductor physics, diodes, BJT transistors, CMOS devices, advanced operational amplifier circuits and frequency response fundamentals.

*Outcomes:*

Understand and apply fundamental concepts of semiconductor physics; Understand and apply complex models to analyze analog and digital microelectronic circuits

**ENGR 351L Circuit Design Laboratory (1 Credit Hour)**

*Co-requisites:* ENGR 351

A lab for engineering students (in the computer engineering specialization) to provide a first experience working with semiconductor devices (such as diodes, BJTs, MOSFETs, and Operational Amplifiers) for the design, creation and analysis of microelectronics using lab instruments.

*Outcomes:*

Identify integrated circuit design issues and develop applicable solutions; Apply advanced principles in analog circuit design, creation and analysis

**ENGR 352 Methods and Algorithms for Computer Engineers (3 Credit Hours)**

*Pre-requisites:* ENGR 351 and ENGR 351L (each with minimum of C-)

ENGR 352 is the second semester course of a three-semester Specialty course series for students specializing in Computer Engineering. The areas of emphasis are the analysis of the methods and algorithms used in computer engineering. The course includes hands-on experiments and a design project related to the computing performance and efficiency improvement of engineering systems

*Outcomes:*

Evaluate the design and implementation of methods and algorithms in computer engineering; Analyze the performance, efficiency and computational complexities of algorithms using the time-and-space tradeoff

**ENGR 353 Programmable Systems (3 Credit Hours)**

*Pre-requisites:* ENGR 352 (minimum C-)

ENGR 353 is the third semester course of a three-semester Specialty course series for students specializing in Computer Engineering. The course consists of an introduction to programmable logic controllers, relays, timers, counters, shift registers, human-machine interfaces and programmable embedded systems. The course includes hands-on experiments and a design project to evaluate the performance and efficiency of programmable systems, related safety issues and hardware troubleshooting for control and automation systems.

*Outcomes:*

Evaluate the performance and efficiency of programmable controllers, embedded systems and processors; Design modern engineering tools to integrate hardware and software components, and input-output devices used in industries

**ENGR 361 Fundamentals of Environmental Engineering (3 Credit Hours)**

*Pre-requisites:* MATH 266, ENGR 322, ENGR 324, and ENGR 325 (each with minimum C-); ENGR majors only; Corequisite: ENGR 361L

This is the first of three Specialization courses in Environmental Engineering. Topics include aquatic chemistry, chemical thermodynamics and kinetics, environmental soil and biogeochemistry, environmental organic chemistry, surface and groundwater hydrology, atmospheric processes, and fate and transport modeling of contaminants in natural and engineered systems.

*Outcomes:*

Apply principles of environmental engineering to describe and quantify key physical, biological and chemical phenomena in natural and engineered systems

**ENGR 361L Fundamentals of Environmental Engineering Lab (1 Credit Hour)**

*Pre-requisites:* ENGR majors only; Corequisite: ENGR 361

This laboratory course introduces students to the analytical techniques such as mass spectrometry and titration, relevant to environmental engineering practice. This course emphasizes the design of field sampling campaigns of water and soil environments and the statistical data analysis of experimentally estimated water and soil parameters.

*Outcomes:*

Quantify fundamental environmental parameters with emphasis on water quality; Design and conduct a field sampling campaign

**ENGR 362 Water & Wastewater Engineering (3 Credit Hours)**

*Pre-requisites:* MATH 266, ENGR 324, and CHEM 171 (each with minimum C-)

Theoretical and conceptual design of systems for treating municipal wastewater and drinking water which include reactor theory, process kinetics, and models. Physical, chemical, and biological processes are presented, including sedimentation, filtration, biological treatment, disinfection, and sludge processing. Re-use of water and waste products are also covered.

*Outcomes:*

Undertake calculations related to unit processes and undertake the required calculations to design a municipal water and wastewater treatment facility

**ENGR 363 Contemporary Environmental Engineering Challenges (3 Credit Hours)***Pre-requisites:* MATH 266 and ENGR 324 (minimum C-)

This is the third semester of a three-semester Specialty course series for students specializing in Environmental Engineering. Overview of engineering solutions to present day environmental issues. Technologies focused on the mitigation and adaptation to climate change, the modeling and design of best management practices. Overview of engineering solutions to present day environmental issues. Technologies focused on the mitigation and adaptation to climate change, the modeling and design of best management practices for stormwater management, an exploration of conventional and renewable energy technologies and the design of green infrastructure.

*Outcomes:*

Make aware of present and future environmental challenges; Understand the current methods being employed to tackle current environmental issues

**ENGR 381 Biomedical Engineering Capstone Design I (4 Credit Hours)***Pre-requisites:* Restricted to Engineering majors; ENGR 341

A major design experience based on the knowledge and skills acquired in earlier course work and incorporating appropriate engineering standards and multiple realistic constraints. Each group is assigned an industry-sponsored medical device software problem to solve. Each week, a medical device product development or regulation topic is also introduced.

*Outcomes:*

ABET Student Outcome (2): An ability to apply engineering design to produce medical device solutions that meet specified needs with consideration for public health, safety, welfare, and other factors

**ENGR 382 Computer Engineering Capstone Design I (4 Credit Hours)***Pre-requisites:* Restricted to Engineering majors; ENGR 351

First part of the team-based Capstone Design series for Computer Engineering students. Students focus on the design of an industry-sponsored project with practical, economic, and ethical constraints. They learn the fundamentals of product development, quality, reliability, ethics and project management as it relates to the field of computer engineering.

*Outcomes:*

ABET Student Outcome (2): An ability to apply engineering design to produce microelectronic solutions that meet specified needs with consideration for public health, safety, welfare, and other factors

**ENGR 383 Environmental Engineering Capstone Design I (4 Credit Hours)***Pre-requisites:* MATH 266, ENGR 324, and ENGR 322 (each with minimum C-); ENGR majors only

A major design experience based on the knowledge and skills acquired in earlier course work and incorporating engineering standards and multiple realistic constraints. Each group is assigned an environmental engineering industry-sponsored design problem to solve. During the semester, specific environmental design and regulation case studies will be introduced.

*Outcomes:*

ABET Student Outcome (2): An ability to apply engineering design to produce environmental engineering solution that meet specified needs with consideration for public health, safety, environmental and other factors

**ENGR 391 Biomedical Engineering Capstone Design II (4 Credit Hours)**

*Pre-requisites:* Restricted to Engineering majors; ENGR 381 during the same academic year, ENGR 342, concurrent enrollment in ENGR 343. Second semester of a major design experience based on knowledge and skills acquired in earlier course work and incorporating appropriate engineering standards and multiple realistic constraints. Each group continues work on the industry-sponsored medical device projects assigned in ENGR 381. Medical device product development or regulation topics are also introduced.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

ABET Student Outcome (2): An ability to apply engineering design to produce medical device solutions that meet specified needs with consideration for public health, safety, welfare, and other factors

**ENGR 392 Computer Engineering Capstone Design II (4 Credit Hours)***Pre-requisites:* Restricted to Engineering majors; ENGR 382 during the same academic year, ENGR 352, concurrent enrollment in ENGR 353

Second semester of a major design experience based on knowledge and skills acquired in earlier course work and incorporating appropriate engineering standards and multiple realistic constraints. Each group continues work on the industry-sponsored design projects assigned in ENGR 382. Computer engineering or professional development topics are also introduced.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

ABET Student Outcome (2): An ability to apply engineering design to produce computer engineering solutions that meet specified needs with consideration for public health, safety, welfare, and other factors

**ENGR 393 Environmental Engineering Capstone Design II (4 Credit Hours)***Pre-requisites:* ENGR 383 (minimum C-)

Second semester of a major design experience based on knowledge and skills acquired in earlier course work and incorporating appropriate engineering standards and multiple realistic constraints. Each group continues work on the industry-sponsored design projects assigned in ENGR 383. Environmental engineering or professional development topics are also introduced. ENGR majors only.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

ABET Student Outcome (2): An ability to apply engineering design to produce environmental engineering solutions that meet specified needs with consideration for public health, safety, welfare, and other factors

**ENGR 398 Independent Study (1-3 Credit Hours)**

The course enables independent study of selected topics in Biomedical, Computer, and Environmental Engineering, under the supervision of a faculty member. It may be repeated for credit. Restricted to Engineering majors. Permission of Director.

*Outcomes:*

Application of engineering concepts, and analysis of Biomedical, Computer, or Environmental Engineering systems

## English (ENGL)

### ENGL 100 Developmental Writing (3 Credit Hours)

English 100 is a basic writing course that provides instruction in fundamental composition skills to prepare the student for UCWR 110. The course emphasizes mastery of grammar, usage, and punctuation. Placement required.

#### *Outcomes:*

Students will develop skill in: writing with a clear audience and purpose in mind; developing a clearly stated thesis which acts as the governing idea of an essay; writing coherent paragraphs and well-organized longer essays using various invention strategies; using transitions to link ideas; exhibiting a working knowledge of basic grammar, usage, and punctuation conventions

### ENGL 102 College Composition ESL 1 (3 Credit Hours)

English 102 is the first of a two-course sequence designed to improve the linguistic abilities of those for whom English is a second language. This course provides grammar and writing instruction for students who require more focused work in revising language usage and composing than English 103 can provide. Placement required.

#### *Outcomes:*

Students will develop skill in: writing essays that develop a clearly-stated governing idea and that provide relevant support for that idea; proceeding through all stages of the writing process: prewriting, drafting, and revising, with emphasis on improving language usage; editing their own compositions, and working with other students in peer-editing groups; consistently employing English-language grammar, usage, and punctuation

### ENGL 103 College Composition ESL 2 (3 Credit Hours)

English 103 is the second of two courses intended to improve the linguistic abilities of those for whom English is a second language. English 103 stresses the acquisition of necessary language skills in the areas of grammar and usage, comprehension and critical reading, and writing at a level appropriate to university study in an English-speaking country. Placement required.

#### *Outcomes:*

Students develop skill in: writing with a clear audience and purpose in mind; developing a clearly stated thesis which acts as the governing idea of an essay; writing coherent paragraphs and well-organized longer essays using various invention strategies; using transitions to link ideas; exhibiting a working knowledge of grammar, usage, and punctuation

### ENGL 210 Business Writing (3 Credit Hours)

English 210 provides training and practice in various forms of writing (such as memos, instructions, letters, resumes, proposals, and reports) relevant to students who are considering careers in business.

#### *Outcomes:*

Students will demonstrate familiarity with genres and styles of writing commonly used in business, with the stages of the writing process, and with individual and collaborative methods of composing

### ENGL 211 Writing for Pre-Law Students (3 Credit Hours)

*Pre-requisites:* successful completion of UCWR 110

Studies in argument and exposition from a lawyer's perspective for students considering the study of law.

*Interdisciplinary Option:* Sociolegal Studies

#### *Outcomes:*

Students will gain an understanding of the principles involved in writing clear and effective prose for a variety of legal purposes, and be able to apply these principles to their own writing in the field

### ENGL 220 Theory and Practice of Tutoring Writing (3 Credit Hours)

This seminar explores Writing Center pedagogical theory and practice. It includes a community-based service-learning component that involves community-service, professional development, leadership development, civic engagement, and cross-curriculum collaboration on a daily basis to continually improve the quality of the writing tutoring services. This course satisfies the Engaged Learning requirement.

### ENGL 271 Exploring Poetry (3 Credit Hours)

*Pre-requisites:* UCLR 100, UCLR 100C, UCLR 100E, UCLR 100M, or equivalent; please check requirements for declared majors/minors for exceptions

The course will survey British and American poetry, especially from the Romantic movement on, especially of lyric kinds. Class discussion will generally focus on the form and sense of individual poems, and will in general be about poetic ways of meaning, and individual poets' understandings of what poetry is and what it is to do.

*Knowledge Area:* Tier 2 Literary Knowledge

*Course equivalencies:* ENGL 271/ACENG 271

#### *Outcomes:*

Students will be able to demonstrate an understanding of significant poems by selected British and American poets, demonstrate an understanding of basic critical terminology, and demonstrate an understanding of relevant critical perspectives on poetry

### ENGL 272 Exploring Drama (3 Credit Hours)

*Pre-requisites:* UCLR 100, UCLR 100C, UCLR 100E, UCLR 100M, or equivalent; please check requirements for declared majors/minors for exceptions

This course focuses on the understanding, appreciation, and criticism of drama; extensive readings and several critical analyses are required. Students will also be able to demonstrate understanding of how plays are constructed in different ways to serve different purposes.

*Knowledge Area:* Tier 2 Literary Knowledge

#### *Outcomes:*

Students will be able to demonstrate understanding of drama's ability to express the deepest and most complex feelings and concerns of human beings as individuals, as family members, and as members of society: the individual's place in the universe, in relation to others, and in relation to the socio-political system that he or she inhabits

### ENGL 273 Exploring Fiction (3 Credit Hours)

*Pre-requisites:* UCLR 100, UCLR 100C, UCLR 100E, UCLR 100M, or equivalent; please check requirements for declared majors/minors for exceptions

This course focuses on the understanding, appreciation, and criticism of prose fiction.

*Knowledge Area:* Tier 2 Literary Knowledge

*Course equivalencies:* ENGL 273/ACENG 273

#### *Outcomes:*

Students will be able to demonstrate understanding of fiction as a means of exploring human experience and understanding the creative process, and be able to use the technical vocabulary necessary for understanding fiction

**ENGL 274 Exploring Shakespeare (3 Credit Hours)**

*Pre-requisites:* UCLR 100, UCLR 100C, UCLR 100E, UCLR 100M, or equivalent; please check requirements for declared majors/minors for exceptions

This course focuses on the works of Shakespeare as literature and as theatre, covering at least three of the four genres (comedy, history, tragedy, romance).

*Knowledge Area:* Tier 2 Literary Knowledge

*Course equivalencies:* ACENG 274 / ENGL 274

*Outcomes:*

Students will be able to demonstrate understanding of the theatrical and poetic works of Shakespeare, such elements of drama as plot, character, theme, imagery, and verse forms, as well as the personal, political and theatrical world in which Shakespeare lived and worked

**ENGL 282 African-American Literature (3 Credit Hours)**

*Pre-requisites:* UCLR 100, UCLR 100C, UCLR 100E, UCLR 100M, or equivalent; please check requirements for declared majors/minors for exceptions

This course focuses on the development of the African American literary tradition from the emergence of the slave narrative to the contemporary present.

*Knowledge Area:* Tier 2 Literary Knowledge

*Interdisciplinary Option:* African Studies and the African Diaspora

*Course equivalencies:* ENGL 282 / ACENG 282

*Outcomes:*

Students will be able to discuss the significance of major African American literary movements and the contributions of representative writers from these periods

**ENGL 282B African-American Literature 1700-1900 (3 Credit Hours)**

This course focuses on the development of the African American literary tradition from the emergence of slave narrative to the contemporary present. This particular version of the course focuses on material within the time period 1700-1900.

*Knowledge Area:* Tier 2 Literary Knowledge

*Interdisciplinary Option:* African Studies and the African Diaspora, Race and Ethnicity

*Outcomes:*

Students will be able to discuss the significance of major African American literary movements and the contributions of representative writers from these periods

**ENGL 282C African-American Literature since 1900 (3 Credit Hours)**

This course focuses on the development of the African American literary tradition from the emergence of slave narrative to the contemporary present. This particular version of the course focuses on material since 1900.

*Knowledge Area:* Tier 2 Literary Knowledge

*Interdisciplinary Option:* African Studies and the African Diaspora

*Outcomes:*

Students will be able to discuss the significance of major African American literary movements and the contributions of representative writers from these periods

**ENGL 283 Women in Literature (3 Credit Hours)**

*Pre-requisites:* UCLR 100, UCLR 100C, UCLR 100E, UCLR 100M, or equivalent; please check requirements for declared majors/minors for exceptions

This course focuses on the representation of women in literature, as discussed in a variety of literary works.

*Knowledge Area:* Tier 2 Literary Knowledge

*Interdisciplinary Option:* Women & Gender Studies

*Course equivalencies:* ENGL283/WOST283/WSGS283

*Outcomes:*

Students will be able to demonstrate understanding of the representations of women in various periods of literary history and diverse cultural contexts

**ENGL 284 Asian American Literature (3 Credit Hours)**

*Pre-requisites:* UCLR 100, UCLR 100C, UCLR 100E, UCLR 100M, or equivalent; please check requirements for declared majors/minors for exceptions

This course introduces the range of Asian American literature from its earliest works around the turn of the 20th century to its proliferation in contemporary literature.

*Interdisciplinary Option:* Film & Digital Media Studies, International Film & Media Studies, Race and Ethnicity, Film & Digital Media Studies, International Film & Media Studies, Race and Ethnicity

*Course equivalencies:* X-ENGL284/ICVM284/IFMS284

*Outcomes:*

Students will trace major developments in Asian American literature, recognize the diversity of Asian American identities and histories, and apply key concepts and historical contexts from Asian American culture

**ENGL 287 Religion and Literature (3 Credit Hours)**

*Pre-requisites:* UCLR 100, UCLR 100C, UCLR 100E, UCLR 100M, or equivalent; please check requirements for declared majors/minors for exceptions

This course introduces the study of literature and religion as a contemporary field of inquiry. It aims to explain and illustrate the nature and theoretical strategies of a religious literary criticism, and to encourage an appreciation of this valuable and productive way of reading.

*Knowledge Area:* Tier 2 Literary Knowledge

*Interdisciplinary Option:* Catholic Studies, Catholic Studies, Catholic Studies, Catholic Studies

*Outcomes:*

Students will be able to use the technical vocabulary necessary for discussing literary representations of religious and spiritual experience

**ENGL 288 Nature in Literature (3 Credit Hours)**

*Pre-requisites:* UCLR 100, UCLR 100C, UCLR 100E, UCLR 100M, or equivalent; please check requirements for declared majors/minors for exceptions

This course focuses on the relationship of human beings and the environment in which they function, as represented in a variety of literary works.

*Knowledge Area:* Tier 2 Literary Knowledge

*Interdisciplinary Option:* Peace, Justice, and Conflict Studies

*Course equivalencies:* X-ENGL288/ESP 288/PAX 288

*Outcomes:*

students will be able to demonstrate understanding of the representations of "nature" in various periods of literary history and diverse cultural contexts



**ENGL 290 Human Values in Literature (3 Credit Hours)**

*Pre-requisites:* UCLR 100, UCLR 100C, UCLR 100E, UCLR 100M, or equivalent; please check requirements for declared majors/minors for exceptions

This variable topics course focuses on a perennial psychological or philosophical problem facing the individual as exemplified in literary works, e.g., the passage from innocence to experience, the problem of death, and the idea of liberty.

*Knowledge Area:* Tier 2 Literary Knowledge

*Course equivalencies:* ACENG 276 / ENGL 290

*Outcomes:*

Students will be able to demonstrate understanding of the ability of literature to express the deepest and most abiding concerns of human beings, and how literary works come to be

**ENGL 292 South Asian Literature and Civilizations (3 Credit Hours)**

*Pre-requisites:* UCLR 100, UCLR 100C, UCLR 100E, UCLR 100M, or equivalent; please check requirements for declared majors/minors for exceptions

An introduction to South Asian literatures and civilizations, from ancient to contemporary times, with attention to social institutions, religious practices, artistic achievements, literature, and modern challenges.

*Interdisciplinary Option:* Global Studies

*Outcomes:*

Students will gain an understanding of the cultures and civilizations of South Asia

**ENGL 293 Advanced Writing (3 Credit Hours)**

*Pre-requisites:* UCWR 110 or equivalent (grade of C- or higher)

This advanced writing course will focus on scholarly theories about the practice and process of writing. Course work will center on students' reconsiderations of their own writing processes in the context of scholarly composition theory.

*Outcomes:*

Students will develop and demonstrate theoretical knowledge of advanced strategies for producing academic writing

**ENGL 294 Writing in/with New Media (3 Credit Hours)**

*Pre-requisites:* UCWR 110 or equivalent, grade of C- or higher

This advanced writing course will consider how communication is mediated and remediated in the digital age, and draw connections between historical moments of print culture with that of contemporary technological advancement. Writing will engage emerging digital genres (websites, blogs, memes), digital storytelling, multimodal composition, and social media.

*Outcomes:*

Learn terms/theories/concepts of new media historically and in the present; identify interactions between new media, writing, and other disciplines; effectively move a piece of writing from concept to revision

**ENGL 295 Writing Toward Social Justice: Eloquentia Perfecta (3 Credit Hours)**

*Pre-requisites:* UCWR 110 or equivalent, grade of C- or better

Course will address problems of community concern through Jesuit rhetorical practice, with basis in thinking, acting and reflecting. Students will learn how to write and speak in a variety of outward-facing modalities. They will work in partnership with a local community organization, applying techniques and practices learned in the classroom.

*Outcomes:*

Reflection: personal concerns and values; Community organization collaboration: writing and presentation projects; Peer review and group writing; Proficiency in modalities: op-ed pieces, funding requests, promotional writing, multimodal presentations, grant writing

**ENGL 299 Topics in Advanced Writing (3 Credit Hours)**

*Pre-requisites:* UCWR 110

This is a course in writing clear and effective prose in whatever form/genre is being studied; the subtitle will define the form/genre more precisely.

*Outcomes:*

Students will gain an understanding of the principles involved in writing clear and effective prose in whatever form/genre is under study, and be able to apply these principles to their own writing in this form/genre

**ENGL 300 History of English Language (3 Credit Hours)**

Study of the origin and development of English: its sounds, word-forms, and syntax.

*Outcomes:*

Students will demonstrate knowledge of the history of English and some understanding of linguistic theory

**ENGL 303 Grammar: Principles & Pedagogy (3 Credit Hours)**

A study of English grammar focusing on linguistic applications such as the teaching of Standard American English to native and non-native speakers, to speakers of Ebonics, and other classroom applications. Required for students planning to teach high school English, but open to others.

*Outcomes:*

Students will demonstrate understanding of grammar and sentence structure sufficient to teach them

**ENGL 306 Studies in Women Writers (3 Credit Hours)**

This course investigates significant issues raised in and by women-authored works. Readings may cover fiction, drama, and/or poetry from any literary period.

*Interdisciplinary Option:* Women & Gender Studies

*Outcomes:*

Students will gain knowledge about women's lives and writings; will understand the difference gender makes to the writing, reading, and interpretation of literature; and will acquire the critical vocabulary that will enable them to describe and analyze, and formulate arguments about, women-authored literature

**ENGL 306A Studies in Women Writers Before 1700 (3 Credit Hours)**

This course investigates significant issues raised in and by women-authored works. Readings may cover fiction, drama, and/or poetry from before 1700.

*Interdisciplinary Option:* Women & Gender Studies

*Outcomes:*

Students will gain knowledge about women's lives and writings; will understand the difference gender makes to the writing, reading, and interpretation of literature; and will acquire the critical vocabulary that will enable them to describe and analyze, and formulate arguments about, women-authored literature

**ENGL 306B Studies in Women Writers 1700-1900 (3 Credit Hours)**

This course investigates significant issues raised in and by women-authored works. Readings may cover fiction, drama, and/or poetry within the period from 1700-1900.

*Interdisciplinary Option:* Women & Gender Studies

*Outcomes:*

Students will gain knowledge about women's lives and writings; will understand the difference gender makes to the writing, reading, and interpretation of literature; and will acquire the critical vocabulary that will enable them to describe and analyze, and formulate arguments about, women-authored literature

**ENGL 306C Studies in Women Writers Since 1900 (3 Credit Hours)**

This course investigates significant issues raised in and by women-authored works. Readings may cover fiction, drama, and/or poetry since 1900.

*Interdisciplinary Option:* Women & Gender Studies

*Outcomes:*

Students will gain knowledge about women's lives and writings; will understand the difference gender makes to the writing, reading, and interpretation of literature; and will acquire the critical vocabulary that will enable them to describe and analyze, and formulate arguments about, women-authored literature

**ENGL 307 Topics in Feminist and Gender Studies (3 Credit Hours)**

This course is an intensive study of selected issues in women's studies or gender studies in relation to literature.

*Interdisciplinary Option:* Women & Gender Studies

*Course equivalencies:* X-ENGL307/WOST307/WSGS307

**ENGL 311 U.S. Latino/a Literature (3 Credit Hours)**

*Pre-requisites:* UCWR 110 plus one 200-level ENGL course

Students will study literature by U.S. Latino and Latina writers (esp. Mexican American, Puerto Rican, Dominican American, and Cuban American). Readings will highlight the variety of aesthetic styles and cultural points of view that characterize this rapidly growing field. Issues like language (bilingualism, translation, and code-switching), immigration, nationalism, transnationalism, and citizenship will be especially important.

*Interdisciplinary Option:* Latin American Studies

*Outcomes:*

Students will develop analytical tools, culturally-specific terms, and critical questions to help them to interpret and to write about Latino/a literature

**ENGL 312 Studies in World Literature in English (3 Credit Hours)**

*Pre-requisites:* UCWR 110 and a 200-level English course

This course adopts a transnational, trans-historical approach to Anglophone world literatures. Readings may include global, postcolonial, and/or diasporic literatures in English.

*Interdisciplinary Option:* Global Studies

*Outcomes:*

Students will develop analytical tools, culturally-specific terminology, and critical questions to enable them to interpret and formulate arguments about global English-language literatures

**ENGL 312A Studies in World Literature in English Before 1700 (3 Credit Hours)**

This course will introduce students to a range of critical and theoretical approaches to the study of world literatures in English. Authors studied may include leading theorists like Frantz Fanon, Edward Said, Gayatri Spivak, Homi Bhabha, Paul Gilroy, and Arjun Appadurai; and literary writers before 1700.

*Outcomes:*

Students will be able to demonstrate understanding of the critical skills and theoretical insights necessary for discussing, analyzing and formulating arguments about world literatures in English

**ENGL 312B Studies in World Literature in English 1700-1900 (3 Credit Hours)**

This course will introduce students to a range of critical and theoretical approaches to the study of world literatures in English. Authors studied may include leading theorists like Frantz Fanon, Edward Said, Gayatri Spivak, Homi Bhabha, Paul Gilroy, and Arjun Appadurai; and literary writers within the period of 1700-1900.

*Interdisciplinary Option:* Global Studies

*Outcomes:*

Students will be able to demonstrate understanding of the critical skills and theoretical insights necessary for discussing, analyzing and formulating arguments about world literatures in English

**ENGL 312C Studies in World Literature in English Since 1900 (3 Credit Hours)**

This course will introduce students to a range of critical and theoretical approaches to the study of world literatures in English. Authors studied may include leading theorists like Frantz Fanon, Edward Said, Gayatri Spivak, Homi Bhabha, Paul Gilroy, and Arjun Appadurai; and literary writers since 1900.

*Interdisciplinary Option:* Global Studies

*Outcomes:*

Students will be able to demonstrate understanding of the critical skills and theoretical insights necessary for discussing, analyzing and formulating arguments about world literatures in English

**ENGL 313 Border Literatures (3 Credit Hours)**

This course will survey a range of contemporary fiction that crosses national, cultural, social, political and personal borders. The study of border literatures will vary, and may include Hispanic-American writers, the Caribbean poet, Derek Walcott, and other literatures that move between disparate locations (England, India, Africa, Burma, etc.).

*Interdisciplinary Option:* Global Studies, Race and Ethnicity

*Outcomes:*

Students will be able to demonstrate familiarity with contemporary theoretical approaches, and to analyze texts that demonstrate how personal, cultural, and political identities develop in transnational contexts

**ENGL 313A Border Literature Before 1700 (3 Credit Hours)**

This course will survey a range of contemporary fiction that crosses national, cultural, social, political and personal borders. The focus of the study of border literatures before 1700 will vary, and may include various writers in literatures that move between disparate locations (England, the Americas, India, Africa, Burma, etc.).

*Outcomes:*

Students will be able to demonstrate familiarity with contemporary theoretical approaches, and to analyze texts that demonstrate how personal, cultural, and political identities develop in transnational contexts

**ENGL 313B Border Literature 1700-1900 (3 Credit Hours)**

This course will survey a range of contemporary fiction that crosses national, cultural, social, political and personal borders. The study of border literatures from within this period will vary, and may include various writers in literature that move between disparate locations (England, the Americas, India, Africa, Burma, etc.).

*Outcomes:*

Students will be able to demonstrate familiarity with contemporary theoretical approaches, and to analyze texts that demonstrate how personal, cultural, and political identities develop in transnational contexts

**ENGL 313C Border Literature Since 1900 (3 Credit Hours)**

This course will survey a range of contemporary fiction that crosses national, cultural, social, political and personal borders. The focus of the study of border literatures from within this period will vary, and may include various writers in literatures that move between disparate locations (England, the Americas, India, Africa, Burma, etc.).

*Outcomes:*

Students will be able to demonstrate familiarity with contemporary theoretical approaches, and to analyze texts that demonstrate how personal, cultural, and political identities develop in transnational contexts

**ENGL 315 South Asian Literatures in English (3 Credit Hours)**

This course focuses on the study of literature written in English from South Asia and the South Asian diaspora. Authors studied may include Narayan, Naipaul, Desai, Sidhwa, and Rushdie.

*Interdisciplinary Option:* Asian Studies, Global Studies

*Outcomes:*

Students will be able to demonstrate understanding of the personal, cultural, and political experiences of South Asia's diverse populations as they are reflected in the literature of the modern and contemporary period

**ENGL 315C South Asian Literature Since 1900 (3 Credit Hours)**

This course focuses on the study of literature written in English from South Asia and the South Asian diaspora, focusing on the period since 1900. Authors studied may include Narayan, Naipaul, Desai, Sidhwa, and Rushdie.

*Interdisciplinary Option:* Asian Studies, Global Studies

*Outcomes:*

Students will be able to demonstrate understanding of the personal, cultural, and political experiences of South Asia's diverse populations as they are reflected in the literature of the modern and contemporary period

**ENGL 316C Caribbean Literature in English Since 1900 (3 Credit Hours)**

This course will introduce students to the study of literature written in English from the Caribbean in this period. Authors studied may include Lamming, Rhys, Walcott, Cliff, Lovelace, and Brathwaite.

*Interdisciplinary Option:* African Studies and the African Diaspora, Global Studies

*Outcomes:*

Students will be able to demonstrate understanding of the different genres of Caribbean literature, as well as the personal, political, and cultural contexts of the literature

**ENGL 317 The Writing of Poetry (3 Credit Hours)**

This course provides extensive practice in both the reading and the writing of poetry.

*Knowledge Area:* Artistic Knowledge and Experience

*Outcomes:*

Students will be able to demonstrate understanding of the critical skills necessary for discussing, analyzing and formulating arguments about poetry, and will produce a portfolio of original poems

**ENGL 318 The Writing of Fiction (3 Credit Hours)**

This course will discuss the techniques of fiction writing and will offer guidance in writing some works of original short fiction.

*Knowledge Area:* Artistic Knowledge and Experience

*Outcomes:*

Students will be able to demonstrate understanding of the critical skills necessary for discussing, analyzing and formulating arguments about fiction, and will produce original short stories

**ENGL 318R The Writing of Fiction: Writing Rome (3 Credit Hours)**

By exploring the city of Rome through reading, writing, and on-site classes, students will be provided with an interdisciplinary approach to the generation of written work. This course will discuss the techniques of fiction writing, drawing inspiration from the city of Rome as a backdrop. On-site classes will enrich the fiction writing process, while in-class workshops will offer guidance in writing works of short original fiction.

*Knowledge Area:* Artistic Knowledge and Experience

*Interdisciplinary Option:* Italian Studies

*Outcomes:*

Students will be able to demonstrate understanding of the critical skills necessary for discussing, analyzing and formulating arguments about fiction, and will produce original works of fiction in the form of writing portfolio

**ENGL 319 Writing Creative Nonfiction (3 Credit Hours)**

A workshop in writing and critiquing original creative nonfiction in several representative sub-genres.

*Outcomes:*

Students will learn to apply both traditional fictional techniques (eg, in-depth characterization, dramatic plot development, specific concrete detail) and more innovative ones (eg, shifting chronology, genre mixing, eccentric voices, multiple points-of-view) in their nonfiction writing

**ENGL 320 English Literature: Medieval Period (3 Credit Hours)**

This course provides a survey of Old and Middle English Literature, studied partly in translation and partly in the original.

*Interdisciplinary Option:* Catholic Studies, European Studies, Medieval Studies

*Course equivalencies:* X-ENGL320/CATH321/MSTU308

*Outcomes:*

Students will receive training in the understanding, appreciation, and criticism of works of medieval culture

**ENGL 321 Intro to Anglo-Saxon (3 Credit Hours)**

This course introduces students to the fundamentals of the Old English language (c. 600-1150), surveying poetry and prose in the original.

*Interdisciplinary Option:* European Studies, Medieval Studies

*Course equivalencies:* X-ENGL321/MSTU312

*Outcomes:*

Students will be able to read Old English and to demonstrate a knowledge of literary works written during the Anglo-Saxon period

**ENGL 322 Chaucer (3 Credit Hours)**

This course introduces students to the life and writings of Chaucer through the reading of a representative selection (but not necessarily all) of The Canterbury Tales and through considering a variety of critical perspectives on them.

*Interdisciplinary Option:* Catholic Studies, European Studies, Medieval Studies

*Course equivalencies:* X-ENGL322/MSTU316

*Outcomes:*

Students will be able to demonstrate knowledge of Chaucer's poetry, the ability to read Middle English, and familiarity with some critical perspectives on Chaucer's works

**ENGL 323 Studies in Medieval Literature (3 Credit Hours)**

Intensive study of specific topics in the field of Medieval literature and culture.

*Interdisciplinary Option:* Catholic Studies, European Studies, Medieval Studies

*Course equivalencies:* X-ENGL323/MSTU320

*Outcomes:*

Students will be able to demonstrate an understanding of significant works of the Medieval period, of the historical political, social and intellectual backgrounds that provide a context for the works studied, and of relevant theoretical and critical perspectives

**ENGL 325 British Literature-The Renaissance (3 Credit Hours)**

This course is a study of selected literature of the Tudor, Stuart, and Cromwellian periods, excluding Shakespeare, by authors such as Sidney, Spenser, Lanyer, Donne, Wroth, and Milton.

*Interdisciplinary Option:* European Studies, Shakespeare Studies

*Outcomes:*

Students will become familiar with: the texts of significant authors of the period; how to read these texts in relation to the intellectual and social contexts in which they were produced; the literary genres, traditions, and conventions they employed and transformed

**ENGL 326 Shakespeare: Selected Major Plays (3 Credit Hours)**

This course is an advanced study of selected plays as theatre and as literature. Topics may include Shakespeare's life, sources, and influence; background of Early Modern literature and drama; Shakespeare's theatre; the tradition of Shakespeare criticism.

*Interdisciplinary Option:* European Studies, Shakespeare Studies

*Outcomes:*

Students will be able to demonstrate understanding of, to analyze, and to defend interpretations of the plays of Shakespeare

**ENGL 327 Studies in Shakespeare (3 Credit Hours)**

*Pre-requisites:* ENGL 274 or 326

Intensive reading of selected Shakespeare plays.

*Interdisciplinary Option:* European Studies, Shakespeare Studies

*Outcomes:*

Students will be able to demonstrate understanding of, to analyze, and to defend interpretations of a particular body of plays by Shakespeare, chosen by genre, theme, etc

**ENGL 328 Studies in The Renaissance (3 Credit Hours)**

The course will be a highly selective survey of late Renaissance literature, from John Donne and Ben Jonson to Andrew Marvell.

*Interdisciplinary Option:* Catholic Studies, European Studies, Shakespeare Studies

*Outcomes:*

Students will be able to: 1) demonstrate an understanding of significant works by selected Renaissance authors; 2) demonstrate an understanding of historical, political, social, and intellectual backgrounds as they provide a context for the poems; 3) demonstrate an understanding of relevant theoretical and critical perspectives

**ENGL 329 Milton (3 Credit Hours)**

This course will cover Milton's early poetry, one or two of his prose works, and his late, major poems: Paradise Lost, Paradise Regained, and Samson Agonistes.

*Interdisciplinary Option:* Catholic Studies, European Studies

*Outcomes:*

Students will be able to: 1) demonstrate an understanding of Milton's major works, and a knowledge of his career; 2) demonstrate an understanding of social, political, and cultural backgrounds as they provide a context for Milton's poems; 3) demonstrate an understanding of relevant theoretical and critical perspectives

**ENGL 335 British Literature - The Romantic Period (3 Credit Hours)**

This course focuses on the study of literature of the Romantic movement in its historical context; authors may include Blake, Wordsworth, Coleridge, Smith, Byron, P.B. Shelley, M.W. Shelley, Keats, Hemans, Hazlitt, and Austin.

*Interdisciplinary Option:* European Studies

*Outcomes:*

Students will be able to demonstrate knowledge of major works of the Romantic movement, and of its relationship to historical developments of the period

**ENGL 338 Studies in The Romantic Movmnt (3 Credit Hours)**

Students will engage in intensive consideration of selected Romantic period texts. The focus of the course will vary according to the instructor's choice of topic.

*Interdisciplinary Option:* European Studies

*Outcomes:*

Students will be able to discuss and analyze the texts studied in this course, and to articulate diverse positions on the issues related to the course's central topic

**ENGL 340 British Literature - The Victorian Period (3 Credit Hours)**

This course provides a survey of important works of prose, poetry, and fiction from the Victorian period (1832-1901). Authors may include Tennyson, the Brownings, Arnold, the Brontës, Hopkins, Hardy, Newman, Dickens, Thackeray, and George Eliot.

*Interdisciplinary Option:* European Studies

*Outcomes:*

Students will demonstrate their ability to analyze and interpret a variety of works studied in the course, and to articulate an awareness of the social, political, and historical contexts that inform an understanding of these works

**ENGL 343 Studies in the Victorian Period (3 Credit Hours)**

This course provides an opportunity for intensive consideration of selected Victorian texts that centers on a particular theme or genre or author. The course will vary each time it is taught.

*Interdisciplinary Option:* European Studies

*Outcomes:*

Students will be able to demonstrate knowledge of the subject of the course and an appreciation of that particular aspect of Victorian life, art, and thought

**ENGL 344 Studies in Modernism (3 Credit Hours)**

*Pre-requisites:* UCWR 110 and a 200-level English course

The course focuses on selected issues in current critical discussions of modernism. The issues may concern competing conceptions of modernism and individual writers associated with modernism.

*Interdisciplinary Option:* European Studies

*Outcomes:*

Students will be able to articulate diverse positions on the issues of the course

**ENGL 345 British Literature Since 1900 (3 Credit Hours)**

*Pre-requisites:* UCWR 110 and one 200-level English course

This course focuses on selected examples of British poetry, fiction, drama, film, and non-fiction written in the 20th century. The principle of selection may be cultural, theoretical, or formal.

*Interdisciplinary Option:* European Studies

*Outcomes:*

Students will be able to demonstrate knowledge of assigned texts and will be able to explain the relationship among assigned texts in relation to the themes of the course



**ENGL 348 Studies in British Literature Since 1900 (3 Credit Hours)**

*Pre-requisites:* UCWR 110 and any 200-level English course

This course focuses intensively on selected twentieth century British texts in relation to social and literary issues of the period. The selection may focus on cultural, theoretical, or formal issues.

*Interdisciplinary Option:* European Studies

*Outcomes:*

Students will be able to demonstrate detailed knowledge of particular texts and will be able to describe the relation of the assigned texts to a particular set of critical questions

**ENGL 350 Studies in Postmodernism (3 Credit Hours)**

*Pre-requisites:* UCWR 110 and any 200-level English course

Postmodernism, as an aesthetic response to postmodernity, is an interdisciplinary concept, originating in architecture and encompassing literature, art in various media, digital media, and literary and cultural theory. Focusing primarily on Western literature and theory after WWII, this course investigates postmodernism as a literary period, an aesthetic style, an historical moment, and a cultural problematic.

*Outcomes:*

Students will learn how the term "postmodernism" functions as a literary period, an aesthetic style, an historical moment, a cultural problematic, as well as a theoretical imperative

**ENGL 351 Contemporary Literature (3 Credit Hours)**

Contemporary literature is most often defined as literature produced after WWII. This course explores the challenge of defining "contemporary" literature by reading a range of texts from the period in their aesthetic, social, historical, and cultural contexts.

*Outcomes:*

Students will learn critical and analytical tools for reading contemporary literature

**ENGL 354 Contemporary Critical Theory (3 Credit Hours)**

This course, which is required of all English majors, introduces students to critical terminology and to issues in contemporary criticism and theory. Readings may include critical works that have informed and established formalist, feminist, psychoanalytic, and Marxist approaches to literary analysis, as well as those associated with gender studies, cultural studies, postcolonialism, and deconstruction.

*Outcomes:*

Students will be able to demonstrate knowledge and understanding of significant texts and theories relating to issues in contemporary criticism

**ENGL 355 Studies in Literary Criticism (3 Credit Hours)**

Intensive study of specific topics in the field of literary criticism and theory.

*Outcomes:*

Students will be able to demonstrate an understanding of significant works in the designated field, and will be able to discuss relevant theoretical and critical perspectives

**ENGL 357 Literature from a Writer's Perspective (3 Credit Hours)**

*Pre-requisites:* UCWR 110 and any 200-level English course

This course examines literature from various periods in poetry and/or prose for technical innovation and genre development, with particular emphasis on applications to the creative process.

*Outcomes:*

Students will gain a deeper understanding of the technical innovations and/or genre developments being studied, and will be able to apply these to their own creative works of fiction and/or poetry

**ENGL 358 Cultural Theory (3 Credit Hours)**

This course provides an introduction to the theory informing the field of Cultural Studies and to the history of theoretical writings about "culture."

*Outcomes:*

Students will be able to demonstrate knowledge and understanding of significant theoretical texts in the field of cultural studies

**ENGL 359 High and Low Culture (3 Credit Hours)**

Students will study the interactions between elite and popular culture, possibly focusing on a historical period or on a conceptual issue such as the framing of "canons." Students will review and assess the assumptions and goals of those who create and critique works of culture. Students will also analyze the criteria by which specific works are judged.

*Interdisciplinary Option:* Film & Digital Media Studies, International Film & Media Studies

*Outcomes:*

Students will be able to describe, analyze, and formulate an argument about cultural productions, using appropriate critical and technical vocabulary

**ENGL 359A High and Low Culture Before 1700 (3 Credit Hours)**

Students will study the interaction between elite and popular culture, focusing on the material and issues relating to the period before 1700. Students will review and assess the assumption and goals of those who create and critique works of culture. Students will also analyze the criteria by which specific works are judged.

*Interdisciplinary Option:* Film & Digital Media Studies, International Film & Media Studies

*Outcomes:*

Students will be able to describe, analyze, and formulate an argument about cultural productions, using appropriate critical and technical vocabulary

**ENGL 359B High and Low Culture 1700-1900 (3 Credit Hours)**

Students will study the interaction between elite and popular culture, focusing on the material and issues relating to the period from 1700-1900. Students will review and assess the assumption and goals of those who create and critique works of culture. Students will also analyze the criteria by which specific works are judged.

*Interdisciplinary Option:* Film & Digital Media Studies, International Film & Media Studies

*Outcomes:*

Students will be able to describe, analyze, and formulate an argument about cultural productions, using appropriate critical and technical vocabulary

**ENGL 359C High and Low Culture Since 1900 (3 Credit Hours)**

Students will study the interaction between elite and popular culture, focusing on the material and issues relating to the period after 1900. Students will review and assess the assumption and goals of those who create and critique works of culture. Students will also analyze the criteria by which specific works are judged.

*Interdisciplinary Option:* Film & Digital Media Studies, International Film & Media Studies

*Outcomes:*

Students will be able to describe, analyze, and formulate an argument about cultural productions, using appropriate critical and technical vocabulary

**ENGL 361 Modernist Poetry (3 Credit Hours)**

*Pre-requisites:* UCWR 110 and any 200-level ENGL course

This course is a study of poetry written in response to the conditions of modernity from the late 19th century to the middle of the 20th. The course focuses on poetic style and technique as well as on historical and cultural contexts.

*Outcomes:*

Students will be able to demonstrate knowledge and understanding of significant texts, techniques, and concepts in modernist poetry, and to situate these in relation to important literary and historical contexts

**ENGL 362 Studies in Poetry (3 Credit Hours)**

Study of poetry centered on a theme, topic, genre, critical approach, author, or group of authors. Readings may cut across historical periods and geographical boundaries.

*Outcomes:*

Students will be able to demonstrate knowledge and understanding of poetic texts and of their interrelationships and contexts

**ENGL 362A Studies in Poetry Before 1700 (3 Credit Hours)**

Study of poetry centered on a theme, topic, genre, critical approach, author, or group of authors. Readings may cut across historical periods and geographical boundaries, but will focus on poetry written before 1700.

*Course equivalencies:* ENGL362/362A/362B/362C

*Outcomes:*

Students will be able to demonstrate knowledge and understanding of poetic texts and of their interrelationships and contexts

**ENGL 362B Studies in Poetry 1700-1900 (3 Credit Hours)**

Study of poetry centered on a theme, topic, genre, critical approach, author, or group of authors. Readings may cut across historical periods and geographical boundaries, but will focus on poetry written between 1700 and 1900.

*Outcomes:*

Students will be able to demonstrate knowledge and understanding of poetic texts and of their interrelationships and contexts

**ENGL 362C Studies in Poetry Since 1900 (3 Credit Hours)**

Study of poetry centered on a theme, topic, genre, critical approach, author, or group of authors. Readings may cut across historical periods and geographical boundaries, but will focus on poetry written since 1900.

*Outcomes:*

Students will be able to demonstrate knowledge and understanding of poetic texts and of their interrelationships and contexts

**ENGL 363A Major Author, Before 1700 (3 Credit Hours)**

Intensive study of the works and contexts of a major author, before 1700. Students will be able to demonstrate an understanding of the texts and contexts of a major author, before 1700.

**ENGL 363B Major Author, 1700-1900 (3 Credit Hours)**

Intensive study of the works and contexts of a major author, 1700-1900. Students will be able to demonstrate an understanding of the texts and contexts of a major author, before 1700.

**ENGL 363C Major Author, After 1900 (3 Credit Hours)**

Intensive study of the works and contexts of a major author, after 1900. Students will be able to demonstrate an understanding of the texts and contexts of a major author, after 1900.

**ENGL 367 Modern Drama (3 Credit Hours)**

*Pre-requisites:* UCWR 110 and any 200-level ENGL course

This course is a study of dramatists and dramatic forms, techniques, and innovations from the late-nineteenth century to the present.

*Interdisciplinary Option:* European Studies

*Outcomes:*

Students will be able to recognize and define major modern dramaturgical techniques and to demonstrate understanding of, to analyze, and to defend interpretations of a variety of plays

**ENGL 368 Studies in Drama (3 Credit Hours)**

This course is a study of drama centered on a theme, topic, genre, critical approach, author, or group of authors. Readings may cut across historical periods and geographical boundaries.

*Outcomes:*

Students will be able to demonstrate understanding of the chosen plays in their thematic, generic, or other chosen context; they will be able to analyze and defend interpretations of a variety of plays

**ENGL 368A Studies in Drama Before 1700 (3 Credit Hours)**

This course is a study of drama centered on a theme, topic, genre, critical approach, author, or group of authors. Readings may cut across historical periods and geographical boundaries, but will focus on drama written before 1700.

*Outcomes:*

Students will be able to demonstrate understanding of the chosen plays in their thematic, generic, or other chosen context; they will be able to analyze and defend interpretations of a variety of plays

**ENGL 368B Studies in Drama 1700-1900 (3 Credit Hours)**

This course is a study of drama centered on a theme, topic, genre, critical approach, author, or group of authors. Readings may cut across historical periods and geographical boundaries, but will focus on drama written between 1700 and 1900.

*Outcomes:*

Students will be able to demonstrate understanding of the chosen plays in their thematic, generic, or other chosen context; they will be able to analyze and defend interpretations of a variety of plays

**ENGL 368C Studies in Drama Since 1900 (3 Credit Hours)**

This course is a study of drama centered on a theme, topic, genre, critical approach, author, or group of authors. Readings may cut across historical periods and geographical boundaries, but will focus on drama written since 1900.

*Outcomes:*

Students will be able to demonstrate understanding of the chosen plays in their thematic, generic, or other chosen context; they will be able to analyze and defend interpretations of a variety of plays

**ENGL 369A Women in Drama Before 1700 (3 Credit Hours)**

This course focuses on women as playwrights, actors, directors, spectators, and subjects of drama before 1700.

*Interdisciplinary Option:* Women & Gender Studies

*Outcomes:*

Students will be able to demonstrate understanding of the ways in which women and issues important to women have been presented on the stage; they will be able to analyze and defend interpretations of a variety of plays

**ENGL 369B Women in Drama 1700-1900 (3 Credit Hours)**

This course focuses on women as playwrights, actors, directors, spectators, and subjects of drama between 1700 and 1900.

*Interdisciplinary Option:* Women & Gender Studies

*Outcomes:*

Students will be able to demonstrate understanding of the ways in which women and issues important to women have been presented on the stage; they will be able to analyze and defend interpretations of a variety of plays

**ENGL 371 The Modern Novel (3 Credit Hours)**

*Pre-requisites:* UCWR 110 and any 200-level ENGL course

This course covers novels since the late 19th century and explores formal and cultural influences on the form.

*Outcomes:*

Students will be able to demonstrate understanding of the critical skills and theoretical insights necessary for discussing, analyzing and formulating arguments about the novel in the modern world

**ENGL 372 Studies in Fiction (3 Credit Hours)**

This course is a study of fiction centered on a theme, topic, genre, critical approach, author, or group of authors. Readings may cut across historical periods and geographical boundaries.

*Outcomes:*

Students will be able to demonstrate an ability to employ descriptive and critical language appropriate to the discussion and analysis of fiction generally and, in particular, of the kind of fiction (eg theme, topic, genre, etc) on which the course is centered; Students will be able to demonstrate an ability to articulate the formal and thematic continuities and discontinuities among these works

**ENGL 372A Studies in Fiction Before 1700 (3 Credit Hours)**

This course is a study of fiction centered on a theme, topic, genre, critical approach, author, or group of authors. Readings may cut across historical periods and geographical boundaries, but will focus on fiction written before 1700.

*Outcomes:*

Students will be able to demonstrate an ability to employ descriptive and critical language appropriate to the discussion and analysis of fiction generally and, in particular, of the kind of fiction (eg theme, topic, genre, etc) on which the course is centered; Students will be able to demonstrate an ability to articulate the formal and thematic continuities and discontinuities among these works

**ENGL 372B Studies in Fiction 1700-1900 (3 Credit Hours)**

This course is a study of fiction centered on a theme, topic, genre, critical approach, author, or group of authors. Readings may cut across historical periods and geographical boundaries, but will focus on fiction written between 1700-1900.

*Outcomes:*

Students will be able to demonstrate an ability to employ descriptive and critical language appropriate to the discussion and analysis of fiction generally and, in particular, of the kind of fiction (eg theme, topic, genre, etc) on which the course is centered; Students will be able to demonstrate an ability to articulate the formal and thematic continuities and discontinuities among these works

**ENGL 372C Studies in Fiction Since 1900 (3 Credit Hours)**

This course is a study of fiction centered on a theme, topic, genre, critical approach, author, or group of authors. Readings may cut across historical periods and geographical boundaries, but will focus on fiction written since 1900.

*Outcomes:*

Students will be able to demonstrate an ability to employ descriptive and critical language appropriate to the discussion and analysis of fiction generally and, in particular, of the kind of fiction (eg theme, topic, genre, etc) on which the course is centered; Students will be able to demonstrate an ability to articulate the formal and thematic continuities and discontinuities among these works

**ENGL 375 American Literature to 1865 (3 Credit Hours)**

This course is a study of selected works of American Literature of this period against the background of historical events, political and social changes, moral and cultural traditions. Authors may include Bradford, Bradstreet, Franklin, Poe, Hawthorne, Melville, Emerson, and Thoreau.

*Outcomes:*

Students will be able to demonstrate understanding of the distinctive historical conditions that inform American literature of this period, and will be able to identify and discuss some of its ideological and generic characteristics

**ENGL 376 American Literature 1865-1914 (3 Credit Hours)**

This course is a study of the rise of American Literature of this period. Authors may include Whitman, Dickinson, Twain, James, and Dreiser.

*Course equivalencies:* ENGL 376 / ENGL 380

*Outcomes:*

Students will be able to demonstrate understanding of the distinctive historical conditions that inform American literature of this period, and will be able to identify and discuss some of its ideological and generic characteristics

**ENGL 377 American Literature 1914-1945 (3 Credit Hours)**

*Pre-requisites:* UCWR 110 and any 200-level ENGL course

This course is a study of literature of early twentieth-century America. Authors may include Cather, Eliot, Frost, Hemingway, Fitzgerald, Faulkner, O'Neill, Miller and Williams.

*Course equivalencies:* ENGL 377 / ENGL 385

*Outcomes:*

Students will be able to demonstrate knowledge of the literature of this period in American history, and familiarity with critical perspectives on the works studied

**ENGL 379 Studies in American Literature (3 Credit Hours)**

This course focuses on texts written by American authors. This advanced seminar course varies in topic and may concentrate on a selection of works by a major American writer or a particular literary movement, period, or theme.

*Outcomes:*

Students will be able to demonstrate an understanding of American literature and culture with focused attention to a major or distinctive feature of the American literary tradition

**ENGL 379A Studies in American Literature Before 1700 (3 Credit Hours)**

This course focuses on texts written by American authors. This advanced seminar course varies in topic and may concentrate on a selection of works by a major American writer or a particular literary movement or theme before 1700.

*Outcomes:*

Students will be able to demonstrate an understanding of American literature and culture with focused attention to a major or distinctive feature of the American literary tradition

**ENGL 379B Studies in American Literature 1700-1900 (3 Credit Hours)**

This course focuses on texts written by American authors. This advanced seminar course varies in topic and may concentrate on a selection of works by a major American writer or a particular literary movement or theme in the period from 1700-1900.

*Outcomes:*

Students will be able to demonstrate an understanding of American literature and culture with focused attention to a major or distinctive feature of the American literary tradition

**ENGL 379C Studies in American Literature Since 1900 (3 Credit Hours)**

This course focuses on texts written by American authors. This advanced seminar course varies in topic and may concentrate on a selection of works by a major American writer or a particular literary movement or theme in the period since 1900.

*Outcomes:*

Students will be able to demonstrate an understanding of American literature and culture with focused attention to a major or distinctive feature of the American literary tradition

**ENGL 381 Comparative American Literature (3 Credit Hours)**

This course focuses on the study of U.S. literature and culture in relation to other literatures and cultures.

*Outcomes:*

Students will demonstrate an ability to identify the formal and thematic features that, as literature, US writing shares with the literature of other cultures; Students will also demonstrate an ability to specify the formal and thematic features that, as an expression of and response to cultural forces particular to the US, differentiate US writing from that of other cultures

**ENGL 381A Comparative Literature Before 1700 (3 Credit Hours)**

This course focuses on the study of U.S. literature and culture in relation to other literatures and cultures, with a focus on the period before 1700.

*Outcomes:*

Students will demonstrate an ability to identify the formal and thematic features that, as literature, US writing shares with the literature of other cultures; Students will also demonstrate an ability to specify the formal and thematic features that, as an expression of and response to cultural forces particular to the US, differentiate US writing from that of other cultures

**ENGL 381B Comparative American Literature 1700 - 1900 (3 Credit Hours)**

This course focuses on the study of U.S. literature and culture in relation to other literatures and cultures, with a focus on the period before 1700.

*Outcomes:*

Students will demonstrate an ability to identify the formal and thematic features that, as literature, US writing shares with the literature of other cultures; Students will also demonstrate an ability to specify the formal and thematic features that, as an expression of and response to cultural forces particular to the US, differentiate US writing from that of other cultures

**ENGL 381C Comparative American Literature Since 1900 (3 Credit Hours)**

This course focuses on the study of U.S. literature and culture in relation to other literatures and cultures, with a focus on the period since 1900.

*Outcomes:*

Students will demonstrate an ability to identify the formal and thematic features that, as literature, US writing shares with the literature of other cultures; Students will also demonstrate an ability to specify the formal and thematic features that, as an expression of and response to cultural forces particular to the US, differentiate US writing from that of other cultures

**ENGL 382 Studies in American Culture (3 Credit Hours)**

Intensive study of specific topics in the field of American culture.

*Outcomes:*

Students will be able to demonstrate an understanding of significant works by selected American authors, of the historical political, social and intellectual backgrounds that provide a context for the works studied, and of relevant theoretical and critical perspectives

**ENGL 382A Studies in American Culture Before 1700 (3 Credit Hours)**

Intensive study of specific topics in the field of American culture before 1700.

*Outcomes:*

Students will be able to demonstrate an understanding of significant works by selected American authors, of the historical political, social and intellectual backgrounds that provide a context for the works studied, and of relevant theoretical and critical perspectives

**ENGL 382B Studies in American Culture 1700-1900 (3 Credit Hours)**

Intensive study of specific topics in the field of American culture between 1700 and 1900.

*Outcomes:*

Students will be able to demonstrate an understanding of significant works by selected American authors, of the historical political, social and intellectual backgrounds that provide a context for the works studied, and of relevant theoretical and critical perspectives

**ENGL 382C Studies in American Culture Since 1900 (3 Credit Hours)**

Intensive study of specific topics in the field of American culture since 1900.

*Outcomes:*

Students will be able to demonstrate an understanding of significant works by selected American authors, of the historical political, social and intellectual backgrounds that provide a context for the works studied, and of relevant theoretical and critical perspectives

**ENGL 383 Theology and Literature (1-3 Credit Hours)**

Study of theological and religious symbols and themes in modern literature and/or in the arts.

*Interdisciplinary Option:* Catholic Studies

*Course equivalencies:* X-THEO383/ENGL383/CATH383

*Outcomes:*

The student who successfully completes this course will be able to demonstrate knowledge about religion and its intersections with selected contemporary ethical, social, political, economic, or cultural issues

**ENGL 384 Studies in African American Literature (3 Credit Hours)**

Intensive study of texts written by African American authors. The course varies in topic and may concentrate on a selection of works by a major African American writer or a particular African American literary movement, period, or theme.

*Interdisciplinary Option:* African Studies and the African Diaspora

*Outcomes:*

Students will be able to demonstrate an understanding of African American literature and culture with specialized attention to a major or distinctive feature of the African American literary tradition



**ENGL 384B Studies in African American Literature, 1700-1900 (3 Credit Hours)**

Intensive study of texts written by African American authors. The course varies in topic and may concentrate on a selection of works by a major African American writer or a particular African American literary movement or theme, 1700-1900.

*Interdisciplinary Option:* African Studies and the African Diaspora  
*Outcomes:*

Students will be able to demonstrate an understanding of African American literature and culture with specialized attention to a major or distinctive feature of the African American literary tradition, 1700-1900

**ENGL 384C Studies in African American Literature Since 1900 (3 Credit Hours)**

Intensive study of texts written by African American authors. The course varies in topic and may concentrate on a selection of works by a major African American writer or a particular African American literary movement or theme since 1900.

*Interdisciplinary Option:* African Studies and the African Diaspora  
*Outcomes:*

Students will be able to demonstrate an understanding of African American literature and culture with specialized attention to a major or distinctive feature of the African American literary tradition since 1900

**ENGL 390 Advanced Seminar (3 Credit Hours)**

*Pre-requisites:* Junior standing

This course is required of all English majors. It offers an advanced, intensive study of a period, author, genre, theme or critical issue in a seminar setting. Topics are announced when the course is offered.

*Outcomes:*

Students will be able to recognize the ways that the subject matter of the seminar relates to the production, representation, and interpretation of artistic culture

**ENGL 392 Advanced Creative Nonfiction Workshop (3 Credit Hours)**

*Pre-requisites:* ENGL 319 Writing Creative Nonfiction

This is a workshop in writing creative nonfiction, furthering work done in ENGL 319, Writing Creative Nonfiction. Students will write in different genres (e.g., memoir, travel writing, speculative essay, nature writing, the spiritual essay), and will further their study in using both traditional and experimental literary techniques in nonfiction.

*Outcomes:*

Students will deepen their learning of traditional and innovative methods of writing creative nonfiction, applying them to their original creative nonfictions and discussing and critiquing them in fellow students' work

**ENGL 393 Teaching English to Adults: Internship (1-3 Credit Hours)**

*Pre-requisites:* Sophomore Standing or above

This course offers training and practical experience in tutoring adults in written and spoken English in a volunteer literacy program at Loyola University. Students examine literacy issues and write a research paper. This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will be able to demonstrate understanding of societal and cultural factors affecting literacy, and will develop communication and critical thinking skills

**ENGL 394 Internship (3 Credit Hours)**

*Pre-requisites:* Junior standing, six English courses

This course provides on-the-job experience for majors in adapting their writing and analytical skills to the needs of such fields as publishing, editing, and public relations.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will be able to analyze their experience in terms of the skills they brought to their jobs, what they learned about the fields they worked in, and what new skills they developed as a result of their experiences

**ENGL 395 Honors Tutorial (3 Credit Hours)**

Content will vary each time the course is offered, but in general will entail in-depth study of a literary genre or a major author or theme in literature.

*Course equivalencies:* ENGL 395H / ENGL 395

*Outcomes:*

Students will strengthen their capacity to analyze literature and to discuss it, both orally and in writing, and will be able to demonstrate understanding of the materials studied and of relevant theoretical and critical perspectives

**ENGL 397 Advanced Writing Workshop: Poetry (3 Credit Hours)**

*Pre-requisites:* ENGL 317

Students will read master poets as models and will write and revise poems of their own, which will be discussed by the class in a workshop format.

*Outcomes:*

Students will produce original poems, building upon skills honed in ENGL 317; They will also be able to demonstrate a deepening understanding of the critical skills necessary for analyzing and discussing original poetry, theirs and their fellow students'

**ENGL 398 Advanced Writing Workshop: Fiction (3 Credit Hours)**

*Pre-requisites:* ENGL 318

This course allows students to develop further their skills in writing and analyzing original fiction begun in ENGL 318, in a supportive workshop atmosphere.

*Outcomes:*

Students will produce original short stories, building upon skills honed in ENGL 318; They will also be able to demonstrate a deepening understanding of the critical skills necessary for analyzing and discussing original fiction, theirs and their fellow students'

**ENGL 399 Special Studies in Literature (3 Credit Hours)**

Subject matter of this course will be designated by a subscript whenever the course is offered. Usually taken as an independent study.

*Outcomes:*

Students will be able to demonstrate understanding of the topic of the course, and of the research and critical skills necessary to analyze and discuss it; Usually students will work independently and produce a research paper, under the direction of a faculty member

## English as a Second Language (ESL)

**ESL 20 Special Topics (1-6 Credit Hours)**

This course may be customized to fit the needs of student groups.

Specialized courses may focus on reading, writing, listening, speaking, pronunciation and subject-specific vocabulary, along with U.S. culture and history.

**ESL 50 English for Specific Purposes (0-6 Credit Hours)**

*Pre-requisites:* ESL Placement Test or Equivalent

This course is designed to meet the needs of a specialized ESL group.

Some needs may be, but are not limited to listening, speaking, reading, writing, and grammar.

**ESL 55 Graduate Preparation (3 Credit Hours)**

This course addresses the needs of graduate students at the Intermediate/Low Advanced level. Students will study grammatical and syntactic structures necessary for clear communication in English for academic purposes and will produce a variety of texts.

**ESL 60 Low-Intermediate Reading & Vocabulary (0-6 Credit Hours)**

This course focuses on developing reading skills with an emphasis on building vocabulary, literal comprehension, and fluency. Students will read graded materials and appropriate ESL books from library resources.

**ESL 61 Low-Intermediate Listening & Speaking (0-6 Credit Hours)**

This course will provide further instruction in academic listening and speaking for English language learners. Instruction focuses on basic listening and speaking strategies for a variety of situations, including listening for main ideas and details, and giving informal presentations. Students will work on word and stress patterns.

**ESL 62 Low-Intermediate Writing & Grammar (0-6 Credit Hours)**

In this course students will expand control of English sentence and paragraph structures. Students will develop mastery of simple present and simple past verb tenses, subject verb agreement, singular and plural nouns, and compound and complex sentence structures.

**ESL 70 Intermediate Reading & Vocabulary (0-6 Credit Hours)**

This course focuses on the development of academic reading skills, with an emphasis on vocabulary development, literal comprehension, and dictionary skills. Students will continue to develop critical thinking skills to understand, analyze, discuss, and write responses to ideas expressed in graded materials and appropriate ESL texts.

**ESL 71 Intermediate Listening & Speaking (0-6 Credit Hours)**

This course prepares English language learners for the academic listening, note-taking, and discussion skills necessary to be successful in college classes. Students develop academic note-taking skills by listening to real academic lectures and develop discussion skills by responding to lectures, agreeing/disagreeing, supporting opinions, and connecting ideas.

**ESL 72 Intermediate Writing & Grammar (0-6 Credit Hours)**

In this course students will continue to develop their writing skills through the writing process to create focused, fully developed and well-organized essays. Essays will incorporate outside sources as well as personal experience. Students will also learn to develop mastery of adjective clauses, gerunds and infinitives, and conditional statements.

**ESL 80 High-Intermediate Reading and Vocabulary (0-6 Credit Hours)**

High Intermediate Reading Skills exposes students to a variety of non-fiction and fiction materials. Fiction materials include short stories and simple novels. Non-Fiction materials will include news reports, scholarly journals and other intermediate level non fiction texts. Attention to reading comprehension including an awareness of main ideas, supporting details, fact/opinion and author's purpose is emphasized. Timed readings are included. Vocabulary development includes advanced

**ESL 81 High-Intermediate Listening and Speaking (0-6 Credit Hours)**

The Intermediate course focuses on listening and presentation skills that are necessary for university students. Students build listening skills in and out of class through excerpts from lectures, documentaries, radio and TV programs. These skills include predicting and connecting ideas in a lecture, note-taking strategies, listening for cause and effect, key terms, and examples. Students build presentation skills by giving short PowerPoint speeches.

**ESL 82 High-Intermediate Writing and Grammar (0-6 Credit Hours)**

Students will build upon the skills learned in the prior courses and recognize and produce effective five paragraph essays. Furthermore, students will develop the skills to effectively and accurately write using these rhetorical patterns, to name a few: compare/contrast and cause and effect.

**ESL 90 Advanced Reading and Vocabulary (0-6 Credit Hours)**

*Pre-requisites:* ESL Placement Test

Students will develop strategies for managing advanced reading assignments. Students will also increase their vocabulary from reading in general and specialized subject areas.

**ESL 91 Advanced Listening and Speaking (0-6 Credit Hours)**

*Pre-requisites:* ESL Placement Test

No course description is available

**ESL 92 Advanced Writing and Grammar (0-6 Credit Hours)**

*Pre-requisites:* ESL Placement Test

Students will advance their academic writing skills and communicate more clearly and accurately with an in-depth study of advanced English grammar. Students will effectively write using the rhetorical patterns most commonly used in universities. Students will also learn how to make citations of research sources and examine the cultural/ethical issues related to plagiarism.

**ESL 94 English Pronunciation (0-6 Credit Hours)**

Students will be able to speak clearly and be understood by others. Students will learn about and practice phonemic awareness and accuracy, stress patterns, intonation, and rhythm with extensive practice. Students will also be able to identify and improve their individual pronunciation issues.

**ESL 95 TOEFL Preparation (2-4 Credit Hours)**

*Pre-requisites:* ESL Placement Test

Students will be able to sharpen their test-taking skills and improve your TOEFL score. Students will become familiar with TOEFLiBT and learn strategies for achieving the score they need.

**ESL 96 Graduate Preparation (1.5-3 Credit Hours)**

*Pre-requisites:* ESL Placement Test

Designed as a support for current non-native graduate students, this course focuses on refining the language components - listening, speaking, reading and writing - for success in one's current graduate classes at Loyola. Some of the objectives are doing research, reading and responding to journal articles; editing one's writing for content, organization, grammar, and creating effective presentations and using PowerPoint. NOTE: only open to Graduate students.

**ESL 98 American English Pronunciation (3 Credit Hours)**

This course assists students in improving phonemic accuracy, stress patterns, intonation, and rhythm. Students will develop class participation and group discussion skills as well as the fundamentals of public speaking. Students are required to practice with pronunciation software in the language resource center.

**ESL 101 Graduate Reading and Critical Thinking (0-6 Credit Hours)**

This course is intended for current or future graduate level international students and is designed to improve their overall comprehension of college/graduate level texts and critical thinking skills

**ESL 102 Graduate Research and Writing (0-6 Credit Hours)**

This course is intended for current or future graduate level international students and is designed to improve their academic writing skills and ability to synthesize and critique information from outside sources.

**ESL 105 Skill-Building for TOEFL/IELTS (2-4 Credit Hours)**

This course is for students with intermediate level language skills. This course will strengthen students' language skills while also familiarizing students with the content, questions, and tasks on the TOEFL iBT and IELTS exams.

**European Studies (EURO)****EURO 101 Introduction to European Studies (3 Credit Hours)**

This course serves as an introduction to the interdisciplinary field of European studies. It provides an overview of the major disciplines represented in the program, introduces the main approaches covered in the program, and discusses some of the most important topics involving European states, regions, and the European Union. Restricted to European Studies minors.

*Interdisciplinary Option:* European Studies

*Outcomes:*

Students will gain a basic understanding of how different disciplines contribute to the study of Europe at the state, sub-state and supra-state levels

**EURO 301 European Studies Capstone (3 Credit Hours)**

This capstone class is intended to provide seniors a chance to reflect on what they have learned as European Studies minors by focusing on a particular theme. The class takes an interdisciplinary and cross-national approach. Students develop a major research project. Restricted to Juniors and Seniors minoring in European Studies.

*Interdisciplinary Option:* European Studies

*Outcomes:*

Through this course students will gain an understanding of the ways in which various fields and their approaches to European Studies can help answer specific important questions about the region

**Experiential Learning Course (EXPL)****EXPL 290 Seminar in Community-Based Service and Leadership (3 Credit Hours)**

This course is a seminar course focusing on community-based service and leadership through service-learning, in which students will work 40 hours over the semester at a non-profit organization.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will gain professional experience at an organization, while reflecting on their service experience in the context of asset-based community development, civic engagement, social justice, leadership in the community, and service for the common good

**EXPL 291 Introduction to Research (3 Credit Hours)**

This course is a seminar course focused on an introduction to research and community-based research. As an Engaged Learning course, students will work with a community partner on a community-based research project at a non-profit, community-based organization, approved by the Center for Engaged Learning, Teaching, and Scholarship (CELTS). This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will reflect on their research plan and community-based research experience in the context of research as service for the common good

**EXPL 292 International Service Learning (3 Credit Hours)**

*Pre-requisites:* Must have 30 credits completed (15 credits if a transfer student) and enroll through International Programs Office

This course is a seminar course focusing on community-based service in an international setting. The focus of the course will be on cultural and political practices from a community perspective through service-learning, in which students will work 50-75 hours over the academic period at international non-profit organizations.

*Interdisciplinary Option:* Global Studies

This course satisfies the Engaged Learning requirement.

*Course equivalencies:* X-UNIV292/INTS278

*Outcomes:*

Students will gain professional experience in an international setting, engaging in direct service with a different culture and community, while reflecting on their service experiences in the context of cultural and political community development, the impact of the current environment on specific populations, contemporary issues, social justice and poverty, and global citizenship

**EXPL 390 Internship Seminar: Organizational Change and Community Leadership (3 Credit Hours)**

This course is a seminar course focusing on organizational leadership and change through a 100 hour internship experience with a non-profit organization, government agency, or business organization, pre-approved by the Center for Experiential Learning.

This course satisfies the Engaged Learning requirement.

*Course equivalencies:* CPST398/UNIV390

*Outcomes:*

Students will gain professional experience at an organization while reflecting on their work experience and applying theories of organizational leadership, civic engagement, community development, and leadership in the community

**EXPL 391 Seminar in Undergraduate Research Methods (3 Credit Hours)**

This seminar course offers undergraduate students the experiential opportunity to engage in research while building their foundation of research methods. Students may be part of the Loyola Undergraduate Research Opportunities Program (LUROP) through a funded fellowship, or students may be working independently with a faculty mentor (volunteering in a lab, working on a research team). All students must have a research project with a faculty mentor identified prior to enrolling in this course. As an experiential learning course, students will need to be engaging in research with a faculty mentor concurrently to taking this course. Students must work a minimum of 5 - 10 hours each week over the semester on their research projects (10 - 15 hours per week over the summer session). Students will reflect on research experience in the context of understanding research paradigms, application of research methodologies, understanding the implications of ethical research, and preparing to present research professionally. This course will provide students engaged in research with the opportunity to develop a formal written research paper and poster, as if the students are preparing to present their research in a professional setting, such as the LUROP Symposium.

This course satisfies the Engaged Learning requirement.

**EXPL 393 Seminar in Integrative Leadership (3 Credit Hours)**

This is a seminar course for students leaders in approved co-curricular programs (e.g., ABI leaders, student organization executive board, Loyola4Chicago leaders, etc.). Students in this course will complete at least 100 hours in a leadership experience in the context of integrative leadership theory culminating in a portfolio to demonstrate holistic leadership capacity.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

1) Develop understanding of leadership theories, reflection on actions, and integrative leadership theories; 2) Enhance connection to the institution through leadership experience, and academic and professional learning and development; 3) Produce an integrative professional portfolio

## Fine Arts (FNAR)

**FNAR 110 Foundations of Visual Art (3 Credit Hours)**

Explores some of the fundamental principles, concepts, and historical and contemporary contexts that constitute a contemporary art practice. Provides experience across a range of modes of art making while emphasizing the basic concepts that underlie visual expression. Studio activity is augmented with research, discussion, and critique.

*Outcomes:*

Explore and express visual concepts; Develop creative competencies; Utilize design elements to communicate themes and ideas; Expand cognitive capacities; Comprehend historical and contemporary approaches to visual art

**FNAR 112 Two-Dimensional Design (3 Credit Hours)**

An examination of the basic elements and organizational systems of visual expression through the application of design principles and theory.

*Course equivalencies:* FNAR112/ACFNA112

*Outcomes:*

Students will be able manipulate various forms of media to produce desired spatial effects, and understand how to control by- using such design methods as scale, perspective, and composition - the viewer's understanding of and reaction to visual information on a two-dimensional surface

**FNAR 113 Drawing I (3 Credit Hours)**

An introduction to the basic elements of drawing including: line, value, texture, volume, shape, proportion, perspective and visual composition.

A variety of drawing materials will be explored with an emphasis on observation problems designed to build technical, perceptual, and personal expressive interpretation of form through the drawing idiom.

*Knowledge Area:* Artistic Knowledge and Experience

*Outcomes:*

Students will be able to demonstrate an understanding of basic drawing principles and vocabulary, through practice and articulation of both formal and artistic ideas

**FNAR 114 Painting I (3 Credit Hours)**

An introduction to the basic elements of painting including: the application of drawing, design, and color principles. A variety of materials will be explored with an emphasis on oil painting. Observational problems will be introduced to build technical, perceptual, and personal expressive interpretation of form through the painting idiom.

*Knowledge Area:* Artistic Knowledge and Experience

*Outcomes:*

Students will be able to demonstrate an understanding of basic painting principles and vocabulary, through practice and articulation of both formal and artistic ideas

**FNAR 115 Foundations of Photography (3 Credit Hours)**

This course introduces photography as a form of visual art. Students learn the technical concepts in order to develop their ability to express ideas through photography. The course also emphasizes strengthening visual literacy through lectures, discussions, and critiques. Requirements: A fully adjustable digital camera (DSLR) and an external hard drive are required.

*Knowledge Area:* Artistic Knowledge and Experience

*Interdisciplinary Option:* Film & Digital Media Studies, International Film & Media Studies

*Course equivalencies:* FNAR115/ICVM115/IFMS115

*Outcomes:*

Students will learn how to formulate and communicate ideas through photography; The course focuses on building the students' visual literacy and understanding of photography as a form of visual art

**FNAR 116 Color Slide Photography (3 Credit Hours)**

A non-darkroom, introductory course to the equipment, techniques and aesthetics of creative photography that emphasizes camera controls, principles of composition, concepts of color theory, the unique potential of the projected image, and personal expression. An adjustable 35mm camera is required.

*Outcomes:*

Students will be able to demonstrate an understanding and application of exposure, depth of field, rendering motion, full frame composition, sequential imagery, balance of film and light source, and the functions of color, all of which support the practice of creative photography

**FNAR 118 Printmaking I (3 Credit Hours)**

An exploration of the production of fine art multiples as they are created utilizing zinc and copper plates. Techniques of etching and engraving aquatint and color printing as well as innovative processes are taught.

*Outcomes:*

Students will demonstrate understanding of the techniques needed to produce images on metal plates and alternative surface; the intrinsic qualities particular to expression in print media, recognize fine prints, specific techniques, and archival quality in historical examples, use intaglio presses as a means of production and form evaluative judgments about printed imagery

**FNAR 119 Watercolor Techniques (3 Credit Hours)**

An introduction to the basic elements of watercolor painting including: the application of drawing, design, and color principles. A variety of techniques and materials will be explored including, watercolor paints and pencils, and brush and masking techniques. Observational problems will be introduced to build technical, perceptual, and personal expressive interpretation of form through the watercolor painting idiom.

*Outcomes:*

Students will be able to demonstrate an understanding of basic painting principles and vocabulary, through practice and articulation of both formal and artistic ideas

**FNAR 120 Ceramics: Handbuilding (3 Credit Hours)**

An exploration of various handbuilding techniques, surface design techniques, and firing ranges available to the contemporary ceramist. Students are encouraged to pursue individual expression in the context of a broad range of methods and creative concepts.

*Knowledge Area:* Artistic Knowledge and Experience

*Outcomes:*

Students will be able to demonstrate the basics of successful construction and glaze techniques; demonstrate creative strategies and critical evaluation of the creative process; demonstrate an understanding of both historical and contemporary approaches to the medium and the role of the Ceramic artist in cultures past and present



**FNAR 121 Ceramics: Wheelthrowing (3 Credit Hours)**

An introduction to the potters' wheel. Students learn basic throwing skills, explore utilitarian design concepts, and learn to balance spontaneous and practiced approaches to process. Emphasis is on the successful integration of craft and personal expression.

*Knowledge Area:* Artistic Knowledge and Experience

*Course equivalencies:* FNAR220/FNAR121

*Outcomes:*

Students will be able to demonstrate basic wheelthrowing and glaze techniques; demonstrate creative strategies and critical evaluation of the creative process; demonstrate an understanding of both historical and contemporary approaches to the medium and the role of the Ceramic artist in cultures past and present

**FNAR 123 Metalwork and Jewelry I (3 Credit Hours)**

The methods and processes of construction using nonferrous metals applied to problems in design and function. Projects are designed to familiarize the student with processes in metalwork and the proper use of hand tools.

*Outcomes:*

Students will demonstrate an understanding of the fundamental characteristics of metal; the ability to cut, shape and manipulate metals; to express visual ideas in low and high relief; and to form judgments about design on other than flat surfaces

**FNAR 124 Sculpture Foundations (3 Credit Hours)**

An introduction to three dimensional concepts and materials, and associated techniques, in the process of articulating a personal artistic statement. Students will be guided in the fabrication of various 3-D constructions employing a wide range of building materials such as plaster, wood, clay, foam board, paper, and metals.

*Knowledge Area:* Artistic Knowledge and Experience

*Outcomes:*

Students will be able to translate two-dimensional sketches and drawings into expressive three dimensional forms; demonstrate basic sculpting techniques and creative strategies; provide critical evaluation of the creative process; and produce objects that are viewable in the round, structurally stable with masses and appendages proportionate to one another

**FNAR 126 Metal Sculpture and Welding (3 Credit Hours)**

This course introduces students to the manipulation of iron, steel and steel alloys. Students learn how to choose gauges of steel, cut with oxy-acetylene torch and metal cutting wheels and blades and attach steel by traditional welding techniques.

*Outcomes:*

Students will be able to operate a torch safely; cut and weld cleanly, file grind and polish, forge, hammer and shape steel sheeting; demonstrate the ability to convert two-dimensional ideas into cogent three-dimensional forms; demonstrate understanding and control over hazardous technical processes and demonstrate understanding of the evaluative criteria of metal work

**FNAR 129 Printmaking-Monotypes (3 Credit Hours)**

An introduction into the various methods of producing one of a kind highly individual prints from a vast array of printing surfaces. A variety of materials will be explored through assignments which encourage an understanding of technique, perceptual thinking and expression of form.

*Outcomes:*

Students will be able to demonstrate a functional knowledge of a wide variety of printing media, be able to utilize the basic tools particular to each medium and produce a consistent series of formal images through recognition of their expressive properties

**FNAR 132 Visual Communication I (3 Credit Hours)**

This course initiates a professional sequence whereby the student receives an introduction to composition, typography, and historical and contemporary concepts in visual communication. It introduces students to page layout software (Adobe InDesign), its relationship to other software packages, and the technical aspects of digital typography.

*Outcomes:*

Students gain an understanding of fundamental principles of visual communication emphasizing typography, the development technical skills in materials and techniques, and the ability to express formal and creative ideas

**FNAR 152 Drawing China (3 Credit Hours)**

This is an introductory drawing course. There are no pre-requisites nor prior experience need to succeed in this course. Beijing is our laboratory and the topic of all class drawings.

*Interdisciplinary Option:* Asian Studies

*Course equivalencies:* FNAR152/ASIA152

*Outcomes:*

Students will be able to draw trees, buildings, automobiles, vegetables, human beings in real life situations and in perspective

**FNAR 160 The Crafts of China (3 Credit Hours)**

This course examines the artisan crafts of China historically and technically. The course explores how and why the crafts appeared, their historical trajectory and demonstrates how the crafts improved technically. Ceramics, Bronze Castings and Wood works will serve as prototypes. Students will undertake independent researches.

*Interdisciplinary Option:* Asian Studies

*Course equivalencies:* FNAR160/ASIA160

*Outcomes:*

Students will identify how the crafts of woodwork, bronze casting and ceramics evolved and how they are currently practiced in China; Students will articulate an understanding of the function of craft in Chinese culture as well compare and contrast it to the function craft in their own culture

**FNAR 170 Three-Dimensional Design (3 Credit Hours)**

An examination of the basic elements and organizational systems of spatial expression through the application of design principles and theory.

*Course equivalencies:* FNAR212/FNAR170

*Outcomes:*

Students will be able work with a variety of materials to produce three-dimensional objects in space, and understand how to control the viewer's reaction to those objects through the manipulation of solidity, transparency, movement and time

**FNAR 190 Color Theory (3 Credit Hours)**

An examination of the nature of subtractive and additive color in its physiological, psychological, aesthetic, cultural, and symbolic dimensions through the application of past and current theory. Emphasis is placed on color mixing, color relationships, and understanding color terminology. Students develop proficiency using color in their work as well as gaining a fundamental understanding of the basic visual, aesthetic, and theoretical considerations of color use in art & design.

**FNAR 195 Topics in Fine Arts Pre-Collegiate (3 Credit Hours)**

This course consists of special topics in specific Fine Arts areas, and is offered for the Pre-Collegiate student.

*Outcomes:*

While the specific area of study varies, the expectation is that the student will become familiar with the methods, materials and aesthetic properties of that artistic approach, as well as the technical means to control the expression

**FNAR 199 Art and Visual Culture (3 Credit Hours)**

An introduction to the principles of art and their application to broader visual culture, this course explores the complex nature of art through an examination of its visual elements, techniques, functions, critical methodologies, and related social issues. The course takes advantage of Chicago's artistic resources.

*Knowledge Area:* Artistic Knowledge and Experience

*Interdisciplinary Option:* Film & Digital Media Studies, International Film & Media Studies

*Course equivalencies:* FNAR199/ICVM199/IFMS199/ACFNA1

*Outcomes:*

Students will demonstrate knowledge of the elements of visual language; means of visual expression in diverse cultures and eras; media and techniques of art; artistic terminology; and critical approaches to the study of visual culture and related social issues; Students will acquire the skills to interpret art and visual culture in oral and written form

**FNAR 200 Global Art History: Prehistoric to 600 CE (3 Credit Hours)**

A comprehensive survey that introduces students to the art, architecture, and material practices of global cultures from pre-history to the 7th Century CE. This course will study the internal and cross-cultural relationships between various art forms and the social, geo-political, spiritual, economic, and political contexts in which selected artifacts and monuments were made.

*Knowledge Area:* Artistic Knowledge and Experience

*Interdisciplinary Option:* Catholic Studies, European Studies, Italian Studies

*Course equivalencies:* FNAR200/FNAR200R

*Outcomes:*

Students will acquire skills to critically analyze formal expressions, materials, functions, meanings, and makers of art and material culture in relation to the historical contexts of ancient global societies

**FNAR 200R Art History: Pre-History to Renaissance in Rome (3 Credit Hours)**

A general survey which explores the development of art in Western culture from pre-history through the sources of the Renaissance in the fourteenth century with a focus on Rome and Italy.

*Course equivalencies:* FNAR200/FNAR200R

*Outcomes:*

Students will be able to demonstrate knowledge of the ideas, formal expressions, themes, techniques, and functions of art in relation to their cultural, social, and historical contexts

**FNAR 201 Global Art History: 600-1800CE (3 Credit Hours)**

A general survey which explores the development of global art from 540 through 1800.

*Knowledge Area:* Artistic Knowledge and Experience

*Interdisciplinary Option:* European Studies, Italian Studies

*Course equivalencies:* ACFNA 105 / FNAR 201

*Outcomes:*

Students will acquire skills to critically analyze formal expressions, materials, functions, meanings, and makers of art and material culture in relation to the historical contexts of early modern global societies

**FNAR 202 Global Art History: Modern Art (3 Credit Hours)**

A comprehensive survey of major artistic movements from a global perspective, engaging key concepts, issues, and modes of production in the modern world. It examines evolving ideas about the forms, content, techniques, and functions of art from the late 18th century to today considered within its socio-political and historical context.

*Knowledge Area:* Artistic Knowledge and Experience

*Interdisciplinary Option:* European Studies, Film & Digital Media Studies, Global Studies, International Film & Media Studies

*Course equivalencies:* FNAR202/ICVM202/IFMS202

*Outcomes:*

Students will demonstrate knowledge of the key ideas, formal expressions, themes, techniques, and functions of modern art in relation to social-historical contexts and modern culture from a global perspective

**FNAR 203 Chicago: Face of a City (3 Credit Hours)**

An examination of the history of the Chicago School of Architecture along with public sculpture and mural painting in Chicago, this course explores the changing trends of American public art, artists' response to a public audience, and issues of social responsibility. Participation in class field trips is required.

*Interdisciplinary Option:* Urban Studies

*Outcomes:*

Students will be able to identify the major social concerns of the city as well as the means by which visual arts can be integrated into its daily life; They will be able to recognize the major artists and recent artistic developments in their urban context

**FNAR 207 Women, Art, and Society (3 Credit Hours)**

An examination of women artists in Western culture and the societies in which they worked from the medieval period to the present. Women's artistic production, the styles and subject matter they embraced, and their relation to artistic trends of their eras are explored within the context of social attitudes about gender.

*Interdisciplinary Option:* Women & Gender Studies

*Course equivalencies:* X-FNAR207/WOST207/WSGS207

*Outcomes:*

Students will be able to demonstrate knowledge of women's contribution to the visual arts, the factors that impacted their participation in the art world, the underlying ways that gender constructions impact society, and feminist theory and methodologies related to art

**FNAR 213 Drawing II (3 Credit Hours)**

*Pre-requisites:* FNAR 113

An intermediate level drawing course designed to extend the understanding of the visual elements of drawing introduced in FNAR 113. This course includes an emphasis on color, and an exploration of a broader range of drawing media. Observational and conceptual problems are introduced.

*Outcomes:*

Students will be able to demonstrate an understanding of more advanced drawing principles through expanded practice and articulation of both formal and artistic ideas

**FNAR 214 Painting II (3 Credit Hours)**

*Pre-requisites:* FNAR 114

An intermediate level painting course designed to extend the understanding of the application of drawing, design, and color principles introduced in FNAR 114. This course will explore both oil and acrylic painting and a variety of substrates. Emphasis on the human figure and individualized conceptual problems will be introduced to build technical, perceptual, and personal expressive interpretation of form through the painting idiom.

*Outcomes:*

Students will be able to demonstrate an understanding of more advanced painting principles through expanded practice and articulation of both formal and artistic ideas

**FNAR 216 Lighting Techniques for Photography and Video Art (3 Credit Hours)**

*Pre-requisites:* FNAR 115 or instructor permission

This course examines techniques with both available and artificial lights for works with photography and video. The students learn how the use and control of lighting are essential in working with lens-based media, whether it's on-location or in a studio environment. The concepts covered in the class will be used to produce photographic and video works.

*Outcomes:*

Students learn the equipment and techniques for effectively using available and artificial lights

**FNAR 218 Printmaking II (3 Credit Hours)**

*Pre-requisites:* FNAR 118

This course explores specialized work in intaglio, monotypes, and mixed media. Emphasis is placed on the development and perfecting of technique.

*Outcomes:*

Students demonstrate understanding of mixed-media printing; knowledge of a wide range of printmaking media; apply drawing concepts to the materials of printmaking; produce a consistent body of work in a complex medium; recognize historical prototypes and articulate the differences to others; and form judgments needed to adapt image making in a highly technical area of expression

**FNAR 219 Photography: Digital Imaging (3 Credit Hours)**

*Pre-requisites:* FNAR 115 - Foundations of Photography; A fully adjustable digital camera (DSLR) and an external hard drive are required

The course focuses on advanced editing techniques in Photoshop in regards to color correction, color management, image compositing, and image manipulation. Students will also learn the technical and aesthetic concepts that are crucial components of the digital workflow to further develop their visual languages as photographic artists.

*Interdisciplinary Option:* Film & Digital Media Studies, International Film & Media Studies

*Course equivalencies:* X-FNAR219/IFMS220

*Outcomes:*

Students learn more complex editing in Photoshop, how to operate a professional inkjet printer and the importance of paper selection; The course examines possibilities with digital technology

**FNAR 221 Ceramic Science (3 Credit Hours)**

An examination of practical and experimental approaches to applied chemistry as it relates to the ceramic arts. Students will learn the theory behind clay and glaze formulation, test a wide array of materials interactions; and learn practical skills in developing vitreous bodies, glass forming substances, and metallic oxide pigments.

*Outcomes:*

Students will be able to demonstrate knowledge of inorganic compounds and their useful combinations in formulating ceramic bodies, glazes, and pigments; demonstrate knowledge of the effects of firing temperature and atmosphere on ceramic formulations; demonstrate knowledge of safe lab practices in the ceramics studio

**FNAR 222 Sculpture/Ceramics: Intermediate Ceramics (3 Credit Hours)**

*Pre-requisites:* FNAR 124 and (FNAR 120 or FNAR 121); or instructor permission

This intermediate course expands the students' knowledge of materials, techniques, and concepts relative to the production of three-dimensional artwork. Students explore the dynamic interrelationship between art, craft, and design, with particular emphasis on the role and function of three-dimensional artworks historically and in contemporary practice. The conceptual possibilities for reproduction and multiplication in sculpture and ceramics is also highlighted. Visual and written research is a component of the course, as are personal reflection and group discussion. The course provides context for the key concepts explored.

*Course equivalencies:* FNAR320/FNAR222

*Outcomes:*

Students develop technical, aesthetic, and conceptual strategies in the creation of three-dimensional artwork, and increased awareness of cultural / historical perspectives of the medium

**FNAR 223 Metalwork and Jewelry II (3 Credit Hours)**

*Pre-requisites:* FNAR 123

Advanced work in metalwork and jewelry including problems in the techniques of lost wax casting and enameling

*Outcomes:*

Students will be able to demonstrate the ability to control materials with the addition of stones, found objects and other materials; design and cast works in the round; design a work and see it through from production to completion, and demonstrate knowledge of a wide range of metalwork techniques and their decorative and design potential

**FNAR 232 Visual Communication II (3 Credit Hours)**

*Pre-requisites:* FNAR 132 Visual Communication I

A continued study of the visual and conceptual principles introduced in FNAR 132 with an emphasis on advanced typographic principles and an introduction to the history of graphic design.

*Outcomes:*

Students gain knowledge of graphic design history and advance in their understanding of typography and imagery in the problem-solving processes in graphic design, including the further development of conceptual skills

**FNAR 233 Digital Media Design (3 Credit Hours)**

An exploration of image creation and design using Adobe Photoshop and Adobe Illustrator. This industry standard software is introduced as a vehicle for basic design concepts and as a tool for creative expression.

*Interdisciplinary Option:* Film & Digital Media Studies, International Film & Media Studies

*Outcomes:*

Students gain an understanding of software skills and design basics; They develop the ability and techniques to manipulate software in the production of compositions effectively combining image and typography

**FNAR 234 Digital Media: Vector (3 Credit Hours)**

An exploration of vector illustration using Adobe Illustrator. This industry standard software is introduced as a vehicle for basic design concepts and as a tool for creative expression.

*Interdisciplinary Option:* Film & Digital Media Studies, International Film & Media Studies

*Outcomes:*

Students gain an understanding of software skills and design basics; They develop the ability and techniques to manipulate software in the production of artistic compositions effectively combining image and typography

**FNAR 235 Figure Studio (3 Credit Hours)**

*Pre-requisites:* FNAR 113 or FNAR 114 or permission of the instructor

An advanced level studio course designed to introduce the human form with an emphasis on the application of drawing and wet media. Skeletal anatomy and concepts of visualization and proportion will be explored. Observational and conceptual problems will be introduced.. The course may be taken twice for credit.

*Course equivalencies:* X-FNAR235/THTR235

*Outcomes:*

Students will be able to demonstrate an understanding of the human form and anatomy through expanded practice and articulation of both formal and artistic ideas

**FNAR 251 African-American Art (3 Credit Hours)**

An introduction to the achievements of Americans of African descent beginning with African roots through the Harlem Renaissance to the contemporary work of such internationally recognized artists as Richard Hunt and Martin Puryear. Content may vary according to the particular focus of the instructor.

*Interdisciplinary Option:* African Studies and the African Diaspora

*Course equivalencies:* X-FNAR251/BWS 251

*Outcomes:*

Students will be able to demonstrate knowledge of the richness of African-American visual arts as they developed within and outside the purview of traditional art venues

**FNAR 260 The Art of Bookbinding (3 Credit Hours)**

An introduction to the basic methods of bookbinding exploring traditional and one-of-a-kind artists books. Sewn, glued and free form structures will form the basis for the study of image and text within the framework of a personal approach to alternative surfaces.

*Outcomes:*

Students will be able to construct and manipulate a wide variety of media using the grammar and language of the book form; Through selected projects students will utilize compositional elements and descriptive to communicate ideas and concepts in book form

**FNAR 303 Visual Arts Pedagogy (3 Credit Hours)**

This course explores the ideas of teaching and learning through the visual arts and arts integration as they pertain to teaching artists. Coursework includes lecture and discussion, readings, model teaching, and teaching artist visits. Students will learn art pedagogy, classroom management techniques, and to develop their ideas into a curricular format.

*Outcomes:*

Students will recognize perspectives and theories around learning through the visual arts, identify appropriate teaching content and techniques, and design appropriate visual arts lessons, aligning content and standards

**FNAR 304 Paris in the Nineteenth Century (3 Credit Hours)**

An examination of Nineteenth Century art in Paris as shaped by contemporary changes in the physical, social and economic life of the city.

*Interdisciplinary Option:* European Studies

*Outcomes:*

Students will be able to demonstrate knowledge of nineteenth century art and artists in the context of the emergence of a modern, industrial urban complex

**FNAR 305 American Art to 1945 (3 Credit Hours)**

An examination of American painting, sculpture, and architecture from the colonial period to the period immediately following World War II. Emphasis is placed on the development of specifically American art forms as they evolved from their dependency upon European sources.

*Outcomes:*

Students will be able to recognize and demonstrate knowledge of major artists and artistic movements from the earliest days of the Republic when Europe served as a source of training and inspiration to the beginnings of modern times when global developments shifted the focus of artistic inspiration to New York

**FNAR 306 Contemporary Art 1945-Present (3 Credit Hours)**

An examination of recent developments in American and European art beginning with the physical shift of the center of artistic authority from Paris to New York during and immediately after World War II.

*Outcomes:*

Students will be able to recognize and demonstrate knowledge of major artists and artistic movements from the mid-twentieth century to the present day; They will also understand the major theoretical issues of the period

**FNAR 311 Advanced Studio (3 Credit Hours)**

*Pre-requisites:* FNAR 213 or FNAR 214 or equivalent

The most advanced level studio course in painting and drawing and is designed to aid the student in developing a body of creative work from conception to production to presentation. This course is conducted as an individual studio practicum between the instructor and student. The course may be taken twice for credit.

*Outcomes:*

Students will demonstrate a strong understanding of their own creative process through the development of a cohesive body of work

**FNAR 312 Design III (3 Credit Hours)**

*Pre-requisites:* FNAR 170

An application of two- and three-dimensional principles and methodologies to advanced studio projects in fine and applied areas.

*Outcomes:*

Students will be able to develop a series of multi-dimensional structures that utilize planar and spatial techniques to communicate a body of information and sensory experiences to others

**FNAR 314 Painting III (3 Credit Hours)**

*Pre-requisites:* FNAR 114 and 214

An advanced level painting course designed to extend the understanding of the application of drawing, design, and color principles introduced in FNAR 114 and expanded in FNAR 214. This course will explore a range of painting materials and substrates. Emphasis is placed on critique and the development of conceptual problems to build technical, perceptual, and personal expressive interpretation.

*Outcomes:*

Students will develop a body of work through expanded practice and articulation of both formal and artistic ideas



**FNAR 315 Photography: Films and Cameras (3 Credit Hours)**

*Pre-requisites:* FNAR 219 or instructor permission

This course will explore processes and materials related to film-based photography. The primary focus of this course will be shooting films with various types of film cameras. Students will also explore integrating a digital workflow to edit and print images captured on film.

*Outcomes:*

Students will learn how to use film cameras, scan film, and incorporate a digital workflow with the editing and printing of film to produce photographic projects

**FNAR 318 Printmaking III (3 Credit Hours)**

*Pre-requisites:* FNAR 218

A continued exploration of Printmaking I, II which enables the student to enhance technical and conceptual skills in printmaking mediums.

*Outcomes:*

Through selected projects students will demonstrate knowledge of contemporary trends in printmaking including new digital media and photomechanical processes; They will acquire analysis skills and functional critical knowledge of the grammar and language of prints

**FNAR 320 Video Art (3 Credit Hours)**

*Pre-requisites:* FNAR 216 or instructor permission

This is a course on Video Art and expanded lens-based media that introduces students to time-based art and the language and history of moving images. Students will explore the ways in which artists use video in their artworks and the techniques foundational to the craft of creating moving images.

*Course equivalencies:* FNAR320/FNAR222

*Outcomes:*

Students will learn technical skills, such as cinematography, video editing, and audio recording; Students will develop their literacy of video media by exploring artworks made by pioneering artists

**FNAR 322 Sculpture & Ceramics: Advanced Studio (3 Credit Hours)**

*Pre-requisites:* FNAR 222 or permission of instructor

An advanced studio course in which students focus on developing an independent, compelling three-dimensional fine arts practice through a more focused approach to the application and synthesis of knowledge and experiences in comparison to Intermediate Studio courses. Visual and written research and field trips are components of the course, as are personal reflection and group discussion. Technical experiments and key concepts are geared specifically to the students interests and artistic goals.

*Course equivalencies:* FNAR321/FNAR322

*Outcomes:*

Select and apply appropriate materials and methods to resolve complex visual and conceptual problems and meaningfully discuss key issues; Create a portfolio of work built on independent investigation

**FNAR 332 Visual Communication III (3 Credit Hours)**

*Pre-requisites:* FNAR 232 Visual Communication II

This course includes the continued study of contemporary graphic design practice and further work in design with emphasis on analytical and creative approaches to problem solving across many types of media. Students are exposed to current best practices for effective self-promotion.

*Outcomes:*

Students gain an understanding of how contemporary design is used to communicate; They begin to develop a sophisticated body of work, advancing in their ability to critically evaluate visual communication

**FNAR 333 Explorations in Typography (3 Credit Hours)**

*Pre-requisites:* FNAR 232

Students explore both practical and experimental solutions utilizing typography as a means of communication and language visualization; investigating multifaceted modes of expression with emphasis placed on the study and creation of meaning relative to audience, culture, and history.

*Outcomes:*

Students develop a heightened awareness of the nuanced role that typography plays as a delivery mechanism for narrative structures, information, language visualization, and alternate forms of expression

**FNAR 334 Motion Design (3 Credit Hours)**

An exploration of time-based motion graphics. Industry standard software is utilized as a vehicle for learning graphic animation concepts and as a tool for creative expression.

*Outcomes:*

Students gain an understanding of software skills and design basics; They develop the ability and techniques to manipulate software in the production of motion graphics effectively combining image and typography

**FNAR 338 Medieval Art (3 Credit Hours)**

An examination of the art and architecture of the Christian world from 250 to 1453 CE, including the Early Christian, Byzantine, Carolingian, Romanesque, and Gothic periods as well as the influence of Islamic culture.

*Interdisciplinary Option:* Catholic Studies, Medieval Studies

*Course equivalencies:* X-FNAR338/MSTU380/ROST338

*Outcomes:*

Students will demonstrate knowledge of forms, ideas, themes, techniques, and functions of medieval art and their relation to relevant cultural, social, and historical contexts; They will acquire the skills to critically analyze these relationships and to understand the scholarship and issues related to medieval studies

**FNAR 341 Renaissance Art - Painting (3 Credit Hours)**

An examination of pictorial arts of the Renaissance in Northern and Southern Europe within the context of the material culture and society of the fifteenth and sixteenth centuries. Content may vary according to the particular focus of the instructor.

*Interdisciplinary Option:* Catholic Studies

*Course equivalencies:* X-FNAR341/ROST341

*Outcomes:*

Students will demonstrate knowledge of techniques, formats, themes, forms, functions, and patronage of European painting and its relation to society and culture and will acquire the skills to critically analyze these relationships

**FNAR 342 Art in Rome (3 Credit Hours)**

A survey of Rome's artistic heritage, including architecture, mosaic, painting, and sculpture from antiquity to the present day studied within the context of Rome's changing roles in Western European history.

Classes are taught on site.

*Knowledge Area:* Artistic Knowledge and Experience

*Interdisciplinary Option:* Catholic Studies, European Studies, Italian Studies

*Course equivalencies:* X-FNAR342/ROST342

*Outcomes:*

Students will demonstrate knowledge of Rome's cultural role in history and of its artistic traditions and how they relate to their historical context

**FNAR 343 Baroque Art (3 Credit Hours)**

An examination of art and architecture in Europe during the seventeenth and eighteenth centuries with special concentration on the preeminence of Rome. (Rome Center students are expected to visit and study certain works of art in their original location).

*Interdisciplinary Option:* Catholic Studies, European Studies, Italian Studies

*Course equivalencies:* X-FNAR343/ROST343

*Outcomes:*

Students will demonstrate knowledge of forms, ideas, themes, techniques, and functions of seventeenth and eighteenth-century Western European art and their relation to relevant cultural, social and historical contexts; They acquire skills to critically analyze these relationships and to understand the scholarship and issues related to Baroque studies

**FNAR 344 Early Italian Renaissance Art (3 Credit Hours)**

An examination of Italian art and architecture from the late thirteenth to the late fifteenth centuries with special emphasis on Florence, Siena, and centers in northern Italy such as Padua and Mantua. (Rome Center students visit and study certain works of art in their original location).

*Interdisciplinary Option:* Catholic Studies, European Studies, Italian Studies

*Course equivalencies:* X-FNAR344/ROST344

*Outcomes:*

Students will demonstrate knowledge of forms, ideas, themes, techniques, and functions of early Italian Renaissance art and their relation to relevant cultural, social, and historical contexts; They acquire skills to critically analyze these relationships and to understand the scholarship and issues related to Italian Renaissance art

**FNAR 345 Italian High Renaissance and Mannerist Art (3 Credit Hours)**

An examination of Italian painting, sculpture, and architecture from the late fifteenth through the sixteenth centuries, focusing on the art of Florence, Rome, and Venice and including consideration of such artists as Leonardo da Vinci, Michelangelo, Raphael, and Titian. (Rome Center students visit and study works of art in their original location).

*Interdisciplinary Option:* Catholic Studies, European Studies, Italian Studies

*Course equivalencies:* X-FNAR345/ROST345

*Outcomes:*

Students will demonstrate knowledge of forms, ideas, themes, techniques, and functions of Italian High Renaissance and Mannerist art and their relation to relevant cultural, social, and historical contexts; Students acquire skills to critically analyze these relationships and to understand the scholarship and issues related to Italian High Renaissance and Mannerist art

**FNAR 349 Art and the Catholic Tradition (3 Credit Hours)**

An examination of the integral role that the visual arts and architecture have played in the Catholic faith since its early centuries.

*Interdisciplinary Option:* Catholic Studies, European Studies

*Outcomes:*

Students will understand the role of Catholic art and architecture within its theological, social, and historical contexts through an examination of both visual and related textual sources

**FNAR 351 Latin American Art I: Ancient to 19th Century (3 Credit Hours)**

This course examines creative production in Latin America from its Ancient empires to colonization, and independence in the 19th century. Exploring archaic periods to imperial integration, we consider the legacy of indigenous artistic production and mestizaje in the visual culture in the region from the 16th through 19th century.

*Interdisciplinary Option:* Latin American Studies

*Course equivalencies:* X-ANTH344/FNAR351/INTS385/LASP

*Outcomes:*

Students will demonstrate the ability to distinguish sculptural, pictorial, and architectural styles of diverse cultures within the geographical and temporal boundaries defined, and historical processes that shaped its production

**FNAR 352 Islam and Visual Culture (3 Credit Hours)**

This course examines the visual forms of Islamic culture from the 7th century to the present. Students will be introduced to the major monuments, artistic techniques, and regional styles, investigating visual works within their historical context and in relation to intercultural engagement.

*Interdisciplinary Option:* Arabic Language and Culture, Global Studies, Islamic World Studies, Arabic Language and Culture, Global Studies, Islamic World Studies

*Course equivalencies:* X-FNAR352/LASP358

*Outcomes:*

Through study of major monuments, artistic techniques, regional style, and intercultural engagement, students will recognize Islam and visual culture as a global phenomenon entailing much more than religious artifacts

**FNAR 353 Latin American Art II: Modern to Contemporary (3 Credit Hours)**

This course provides an expanded understanding of modernity and its artistic partner, modernism, as well as the political, social and cultural landscapes that informed and formed the art and architecture of Latin America and its diasporic intersections, from the early twentieth century to the present day.

*Course equivalencies:* X-FNAR353/LASP359

*Outcomes:*

Students will demonstrate the ability to distinguish pictorial, sculptural, performative and architectural styles of diverse artists and identities associated with Latin America, and the historical processes that shaped its production

**FNAR 355 Art of Africa (3 Credit Hours)**

An examination of the traditional arts of West Africa and the Pacific and their role in the control and organization of tribal societies before the introduction of European influences.

*Interdisciplinary Option:* African Studies and the African Diaspora, Global Studies

*Course equivalencies:* ANTH345/BWS/INTS/FNAR355

*Outcomes:*

Students will demonstrate understanding of the unique role of the visual arts and music in the transmission of traditional mores; They will demonstrate understanding of the social and artistic distinctions found in a comparison of highly centralized societies with loosely defined tribal organization and how this is reflected in different cultural standards

**FNAR 356 India, Women and Visual Culture (3 Credit Hours)**

This course examines images of women and the work of women artists in India, engaging with broader topics in feminist and postcolonial theory, including indigenous responses to colonialism, contemporary critiques of the female form in Indian art, and the agency of women artists in the twentieth and twenty-first centuries.

*Course equivalencies:* X-FNAR356/ASIA356/INTS374

*Outcomes:*

Student will become familiar with the work of Indian women artists and how images of Indian women have been understood and interpreted throughout the 20th and 21st centuries

**FNAR 357 South Asian Visual Culture (3 Credit Hours)**

An examination of the cultural background and major art forms of South Asia from the Indus River Valley settlements to the Present. As well as sculpture, architecture and painting, popular visual art forms will be examined.

*Interdisciplinary Option:* Asian Studies, Global Studies

*Course equivalencies:* X-FNAR357/ASIA357/INTS396

*Outcomes:*

Students will demonstrate knowledge of the religious, cultural and political forces shaping South Asian art; They will be able to distinguish the regional styles and identify the major monuments of South Asia; Students will understand the role of the visual arts in South Asian society

**FNAR 358 Chinese Art and Culture (3 Credit Hours)**

An examination of the cultural background and major visual art forms of China from prehistoric to early modern times.

*Interdisciplinary Option:* Asian Studies, Global Studies

*Course equivalencies:* X-FNAR358/ASIA358/INTS321

*Outcomes:*

Students will demonstrate knowledge of the philosophical and religious sources of the major traditional art forms of China; They will recognize the degree to which Confucian morality controlled the social and intellectual principles by which society was governed and the arts evaluated until the advent of Communism

**FNAR 359 Japanese Art and Culture (3 Credit Hours)**

An examination of the cultural background and major art forms of Japan from earliest times until the twentieth century.

*Interdisciplinary Option:* Asian Studies, Global Studies, Japanese Language and Culture

*Course equivalencies:* X-FNAR359/ASIA359/INTS329

*Outcomes:*

Students will demonstrate knowledge of the philosophical and religious sources of the major art forms of Japan; They will recognize the dual formative influences of indigenous traditions and those of foreign origin in what becomes a uniquely Japanese adaptation and resolution of ideas expressed effectively either verbally or visually

**FNAR 360 Picturing Women in Renaissance and Baroque Art (3 Credit Hours)**

An examination of issues related to women, art, and society in early modern Europe (15th-17th centuries) through a study of women as subject matter, viewers, producers, and patrons of art. A multi-disciplinary approach is employed to explore how gender as a social, political, and psychological category is reflected in and reinforced by visual culture.

*Interdisciplinary Option:* European Studies, Women & Gender Studies

*Course equivalencies:* X-FNAR360/WOST360/WSGS360

*Outcomes:*

Students will demonstrate knowledge of the ways gender is constructed in society, the origins and effects of gender attitudes, the interrelation between gender and visual culture, and the ways women have claimed agency; Students will critically analyze visual culture and gender attitudes and demonstrate knowledge of feminist theory and scholarly methods

**FNAR 364 History of Graphic Design (3 Credit Hours)**

A survey of the evolution of graphic communication from prehistory through postmodern design and the digital revolution.

*Outcomes:*

Students will demonstrate knowledge of the ideas, formal expressions, themes, techniques, and functions of graphic communication in relation to its social-historical context

**FNAR 365 History of Photography (3 Credit Hours)**

A chronological and thematic survey of the history of photography, especially in Europe and America. Fine art and utilitarian applications of the medium are considered by examining photographers who represent the origin and development of major pictorial forms; the interaction between technology and imagery; and the relationships between photography and historical, social and cultural events.

*Interdisciplinary Option:* Film & Digital Media Studies, International Film & Media Studies

*Course equivalencies:* X-FNAR365/ICVM365/IFMS365

*Outcomes:*

Students will be able to demonstrate understanding of the most important pictorial forms, themes, practitioners, processes and context of photography as a fine and applied art from the beginning of the nineteenth century to the present

**FNAR 367 History of Architecture (3 Credit Hours)**

An examination of the history of the built environment from the earliest known forms to contemporary examples, in terms of architectural theory, structural realities and socio-cultural usages.

*Outcomes:*

Students will be able to demonstrate an understanding of the many ways architecture serves the human race, and be able to constructively analyze the specific functions buildings serve within their particular cultural temporal milieu

**FNAR 367R Architecture in Rome (3 Credit Hours)**

This course explores architectural drawing as a way to incorporate hands-on experience in students' study of architecture in Rome. Students will develop drawing skills by conceptualizing architectural ideas in relationship to Rome's buildings and sites.

*Outcomes:*

Upon successful completion of this course, students will be able to develop basic architectural drawing skills, to understand graphic standards and drawing conventions of the architectural design as well as to analyze and appreciate Rome's architectural buildings and spaces

**FNAR 368 Fine Arts Internship (1-4 Credit Hours)**

A comprehensive introduction to gallery and/or studio operations in the Fine Arts Division. Internships will provide opportunities in various aspects of administration, scholarship, teaching, and sustaining standards in studio and/or gallery performance. Gallery internships available at Loyola's Fine Arts Galleries. External internships upon approval. Teaching/studio assistantship based on class availability. Departmental consent required for enrollment.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will develop practical experience for the professional world and be able to demonstrate knowledge of gallery/museum administration, scholarship, exhibition production, and/or class preparation and teaching

**FNAR 380 Internship I (1-4 Credit Hours)**

*Pre-requisites:* FNAR 332 Visual Communication III; Fine Arts Majors only  
Visual Communication majors complete an internship providing an opportunity to use their visual and technical skills in a professional setting.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students work with others to develop and complete projects on a predetermined schedule; they get the opportunity to learn from professionals in the field; they find out how well they are doing as judged by the world outside the classroom

**FNAR 381 Internship II (1-4 Credit Hours)**

*Pre-requisites:* Permission of chairperson

Visual Communication majors complete an internship providing an opportunity to use their visual and technical skills in a professional setting.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students work with others to develop and complete projects on a predetermined schedule; they get the opportunity to learn from professionals in the field; they find out how well they are doing as judged by the world outside the classroom

**FNAR 382 Visual Communication IV (3 Credit Hours)**

*Pre-requisites:* FNAR 332 Visual Communication III and Senior standing or instructor permission

This course perfects the practice and tools of visual communication through a series of advanced projects with the aim of creating a robust and well-balanced body of work.

*Outcomes:*

Students are prepared to use their skills in research, analysis, and the design processes that lead to creative conceptualization to create appropriate design decisions and refined design solutions

**FNAR 383 Interactive Design (3 Credit Hours)**

*Pre-requisites:* FNAR 233 Digital Media Design

This course introduces aspects of interaction and web design including theory, common best practices, usability, information architecture, graphic design in the interactive context, prototyping, and the technical parameters of an interactive environment. Industry standard software will be used. Strong emphasis will be placed on design principles, information hierarchy, and typography.

*Interdisciplinary Option:* Film & Digital Media Studies, International Film & Media Studies

*Course equivalencies:* X-FNAR383/ICVM383/IFMS383

*Outcomes:*

Experience in the research, planning, design, and prototyping of interactive communication

**FNAR 388 Critical Approaches to Visual Art (3 Credit Hours)**

*Pre-requisites:* FNAR 202: Modern Art, C- or higher

This course examines key theoretical issues in contemporary art. Students will apply these concepts to develop strategies for creative output. The course will feature readings, discussions, written assignments, and projects to explore interdisciplinary approaches that emphasize idea as the primary means of visual production.

*Outcomes:*

Gain an understanding of key theoretical concepts in contemporary art; Apply theoretical concepts for the production of artworks; Develop a contemporary art practice in preparation for FNAR 398 Capstone

**FNAR 390 Art History: Methods and Research (3 Credit Hours)**

*Pre-requisites:* Restricted to Art History Majors and Minors

An examination of theoretical, critical and methodological issues as related to Modern and Post-Modern art.

*Interdisciplinary Option:* Film & Digital Media Studies, International Film & Media Studies

*Course equivalencies:* X-FNAR390/IFMS390

*Outcomes:*

Students will learn to recognize and apply a range of appropriate theoretical approaches and scholarly methods

**FNAR 391 Senior Thesis in Art History (3 Credit Hours)**

Students develop an in-depth scholarly research paper while engaging new theoretical frames or topics to expand upon the writing and research of a paper of their choice from a previous art history class. In addition, they will share their research in a final, formal oral presentation.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students produce a polished in-depth research paper; They demonstrate the ability to synthesize and apply ideas from scholarly sources; formulate, develop, and articulate in verbal and written form relevant issues

**FNAR 392 Senior Thesis II: FNAR Art History Capstone (3 Credit Hours)**

*Pre-requisites:* FNAR 391 or instructor permission; Art History majors only; Senior standing

The second half of the capstone experience for art history majors. In Senior Thesis II, students write an in-depth scholarly research paper.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students produce a polished in-depth research paper; They demonstrate the ability to synthesize and apply ideas from scholarly sources; formulate, develop, and defend a thesis; and critically analyze and articulate in verbal and written form the issues and ideas relevant to their topic

**FNAR 393 Topics in Studio Art (3 Credit Hours)**

Special topics in specific areas of study in studio art.

*Outcomes:*

Students will master topics in areas of studio art not offered elsewhere in the curriculum

**FNAR 394 Topics in Art History (1-4 Credit Hours)**

Special topics in specific areas of study in art history.

*Outcomes:*

Students will master topics in areas of art history not offered elsewhere in the curriculum



**FNAR 398 Fine Arts Capstone (3 Credit Hours)**

*Pre-requisites:* Completion of the most advanced course in the student's FNAR concentration

The course serves as the culmination of each student's experience as a Fine Art major. Students will demonstrate the ability to produce work that exemplified the application and synthesis of the knowledge gained from the courses and experiences.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will demonstrate the ability to produce art work suitable for exhibit

**FNAR 399 Independent Study (1-4 Credit Hours)**

*Pre-requisites:* written permission of instructor and chairperson

Advanced student are afforded the opportunity to work on an in-depth project in the medium of his/her choice in a tutorial setting. The course is developed in consultation with a faculty advisor and is stated formally in a written contract. of definition, goals, procedures and outcomes.

*Outcomes:*

Students will be able to demonstrate the ability to produce a significant body of original artwork on a focused theme

## Forensic Science (FRSC)

**FRSC 340 Introduction to Forensic Science (3 Credit Hours)**

*Pre-requisites:* CJC 101; Forensic Science Majors Only

This course provides an overview of the basic principles and uses of forensic science within the field of criminal justice. The course is designed for forensic science majors emphasizing the scientific aspects in the forensic sciences.

*Interdisciplinary Option:* Forensic Science

*Outcomes:*

Students will be able to identify the uses and limitations of the existing forensic science techniques used within the field of criminal justice

**FRSC 341 Forensic Ethics and Professional Practice (3 Credit Hours)**

*Pre-requisites:* FRSC 340; Forensic Science Majors only

This course develops a basic scientific literacy, understanding of the scientific method of inquiry, understanding ethical thought and application of ethics to the field and professional practice of forensic science.

*Interdisciplinary Option:* Forensic Science

*Outcomes:*

Students will demonstrate an understanding and application of ethics in the forensic sciences; Students will be able to articulate the role and challenges of ethical issues facing forensic science today, the applicability of ethics in the profession and their individual careers

**FRSC 342 Expert Witness Testimony and Court Room Demeanor (3 Credit Hours)**

*Pre-requisites:* FRSC 341; Forensic Science Majors Only

The goal for this course is to give you the information necessary to be an effective and ethical witness. This should help throughout your career and help make testimony not so much something to be feared as something which represents the culmination of your work in a case.

*Interdisciplinary Option:* Forensic Science

*Outcomes:*

Students should develop courtroom and expert witness testimony literacy, understanding of the dynamics during court and appreciate the impact to the judicial system

**FRSC 343 Physical Organic Chemistry for Forensic Science (3 Credit Hours)**

*Pre-requisites:* PHYS 112; MATH 132; CHEM 222 or (CHEM 224 and CHEM 226) or (CHEM 240, CHEM 241, CHEM 260, and CHEM 272); and Forensic Science majors

An introduction to the foundational principles of physical and physical organic chemistry. The course focuses on the application of these principles to solving problems in forensic science. The numerous aspects of forensic science require a working knowledge of physical chemistry, the foundational principles, and the interrelation of cause and effect.

*Outcomes:*

Understand the basic concepts of physical and physical organic chemistry; Acquire and interpret data and form conclusions; and Use critical thinking skills in problem solving

**FRSC 350 Pattern Evidence I (3 Credit Hours)**

*Pre-requisites:* FRSC 341; Forensic Science Majors only

This course introduces the basic principles and methods of forensic pattern evidence: latent fingerprints, firearms and tool marks, and question documents.

*Interdisciplinary Option:* Forensic Science

*Course equivalencies:* X-CRMJ382/FRSC382

*Outcomes:*

Students will demonstrate an understanding of the three (3) forensic pattern evidence areas; Students will develop techniques, work on non-probative cases, and written formal reports of findings

**FRSC 350L Pattern Evidence Lab I (1 Credit Hour)**

*Co-requisites:* FRSC 350; Forensic Science Majors only

This course introduces the basic laboratory methods of forensic pattern evidence: latent prints, firearms and toolmarks, and questioned documents. Prerequisite or

*Interdisciplinary Option:* Forensic Science

*Outcomes:*

Students will demonstrate a basic competency through development of various techniques; Students will work non-probative cases, along with written formal reports of their findings

**FRSC 360 Forensic Drug Chemistry I (3 Credit Hours)**

*Pre-requisites:* (CHEM 212, CHEM 214, CHEM 224, and CHEM 226) or (CHEM 241, CHEM 272, and CHEM 280); FRSC 342; and Forensic Science majors

This course provides an introduction to the basic principles of forensic drug analysis. The use of microscopic, chemical, and chromatographic techniques to gather data, interpret results and form conclusions are developed. Recognizing the strengths and weaknesses in the techniques used and the correct interpretation of results is stressed.

*Interdisciplinary Option:* Forensic Science

*Course equivalencies:* CHEM 316/FRSC 360

*Outcomes:*

The techniques, skills, advances and limitations of the modern forensic laboratory discussed; The students will be able to summarize basic concepts of forensic drug analysis, testing, and formal reporting

**FRSC 360L Forensic Drug Chemistry Laboratory I (2 Credit Hours)**

*Pre-requisites:* (CHEM 212, CHEM 214, CHEM 224, and CHEM 226) or (CHEM 241, CHEM 272, and CHEM 280); FRSC 342 and Forensic Science majors

*Co-requisites:* FRSC 360

This course provides both basic and advanced foundations to the principles of forensic drug analysis. The use of basic and advanced analytical techniques to gather data, interpret results and form conclusions are developed. Additionally, national forensic laboratory operational standards and requirements are incorporated.

*Interdisciplinary Option:* Forensic Science

*Course equivalencies:* CHEM 316L/FRSC 360L

*Outcomes:*

The techniques, skills, advances and limitations of the modern forensic laboratory will be discussed; The students will be able to demonstrate basic/advanced concepts of forensic drug analysis, testing, and formal reporting

**FRSC 361 Forensic Toxicology I (3 Credit Hours)**

*Pre-requisites:* FRSC 360/360L; Co-requisite FRSC 361L; Forensic Science Majors Only

This course stresses the practical and theoretical aspects to forensic toxicology, the study of drugs and their implications in a forensic setting when toxicity sets in. The analysis and description of drugs are introduced. Case studies are reviewed where drug use may become a forensic matter.

*Interdisciplinary Option:* Forensic Science

*Course equivalencies:* CHEM 315/FRSC 361

*Outcomes:*

Students should develop basic scientific literacy, understanding of the scientific method of inquiry, understanding ethical thought and application of ethics to the field of forensic toxicology

**FRSC 361L Forensic Toxicology Laboratory I (1 Credit Hour)**

*Pre-requisites:* FRSC 360/360L; Corequisite: FRSC 361; Forensic Science Majors Only

This course stresses the practical and theoretical aspects to forensic toxicology, the study of drugs and their implications in a forensic setting when toxicity sets in. The analysis and description of drugs are introduced. Case studies are reviewed where drug use may become a forensic matter.

*Interdisciplinary Option:* Forensic Science

*Outcomes:*

The techniques, skills, advances and limitations of the modern forensic laboratory discussed; The students will be able to summarize basic concepts of forensic drug analysis, testing, and formal reporting

**FRSC 370 Forensic Biology (3 Credit Hours)**

*Pre-requisites:* FRSC 341, BIOL 102 and 112; Corequisite: FRSC 370L; Forensic Science Majors Only

This course stresses the practical and theoretical aspects to forensic biology. Forensic biology includes the examination, identification, and characterization of biological materials found on various types of evidence.

*Interdisciplinary Option:* Forensic Science

*Outcomes:*

Students should develop basic scientific literacy, understanding of the scientific method of inquiry, understanding ethical thought and application of ethics to the field of forensic biology

**FRSC 370L Forensic Biology Laboratory (1 Credit Hour)**

*Pre-requisites:* FRSC 341, BIOL 102 and 112; Corequisite: FRSC 370; Forensic Science Majors Only

This course stresses the practical and theoretical aspects to forensic biology. Forensic biology includes the examination, identification, and characterization of biological materials found on various types of evidence.

*Interdisciplinary Option:* Forensic Science

*Outcomes:*

Students should develop basic scientific literacy, understanding of the scientific method of inquiry, understanding ethical thought and application of ethics to the field of forensic biology

**FRSC 371 Forensic Molecular Biology Lecture and Laboratory (5 Credit Hours)**

*Pre-requisites:* BIOL 282, BIOL 283, FRSC 342, FRSC 370, FRSC 370L; Forensic Science Majors only - Biology/DNA Option

This course prepares students to work in forensic DNA analysis. The lectures cover the basic aspects of DNA structure and function while the laboratory gives students experience with the techniques and instruments used in forensic DNA analysis.

*Interdisciplinary Option:* Forensic Science

*Outcomes:*

Students will have a strong theoretical understanding of STR marker origin, population biology, and legal uses, and will be able to isolate and process DNA for STR scoring

**FRSC 390 Forensic Science Internship (3-4 Credit Hours)**

*Pre-requisites:* FRSC 342; Forensic Science Majors Only

The purpose of this course is to enhance the student's development and learning through observational and participatory experience in forensic focused criminal justice agencies.

*Interdisciplinary Option:* Forensic Science

This course satisfies the Engaged Learning requirement.

*Course equivalencies:* X-FRSC 390/ANTH 396A

*Outcomes:*

Students will be able to contribute in a meaningful way to the operation of a specific forensic focused criminal justice agency and be able to identify and describe the link between their field experience and prior courses

**FRSC 392 Forensic Science Seminar (1 Credit Hour)**

A weekly seminar course with presentations, generally given by outside speakers, covering topics in chemistry usually not encountered in the classroom. Forensic Science Majors Only.

*Interdisciplinary Option:* Forensic Science

*Outcomes:*

Students will demonstrate their understanding by writing a one page summary of each presentation

**FRSC 394 Forensic Science Research (1-4 Credit Hours)**

*Pre-requisites:* Prior consultation with the instructor and a completed agreement form; Agreement forms for this directed study course are obtained from the program office, and the completed form (signed by the student, instructor, and program director) must be deposited in the program office before enrollment

This course gives undergraduate students an opportunity to participate in research in a selected area. Forensic Science Majors Only.

*Interdisciplinary Option:* Forensic Science

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will accomplish the research task defined in the contractual arrangement between the student and the instructor

**FRSC 395 Special Topics in the Forensic Science (3 Credit Hours)**

*Pre-requisites:* FRSC 341; Forensic Science Majors Only

Special topics courses provide students with an opportunity to examine various forensic science topics not normally offered as part of the Program's regular curriculum.

*Interdisciplinary Option:* Forensic Science

*Outcomes:*

Students will be able to gain an understanding of new issues confronting the forensic sciences, or an advanced understanding of traditional subjects covered in basic courses

## French (FREN)

**FREN 101 Elementary French I (3 Credit Hours)**

*Pre-requisites:* No previous knowledge of French is expected; Please go to <http://www.luc.edu/modernlang/exam.shtml> for placement test instructions, especially if you took any French courses in high school or college

Taught in French. Instructs basic communicative French, the people and cultures where it is spoken, using formal and informal registers, and speaking in present and future time. Students will listen and respond, read and write, ask and answer simple questions in basic functional French. Content: personal topics, everyday living.

*Outcomes:*

Student will successfully interpret and express needs pertaining to home, work, college, leisure, and dining; Achievement level desired: Novice Low, American Council on the Teaching of Foreign Languages (ACTFL\*) standards

**FREN 102 Elementary French II (3 Credit Hours)**

*Pre-requisites:* FREN 101 or one semester college French with C- or better, or placement test score; Please go to Modern Languages home page for placement test instructions; You must take the placement test if you took any French courses in high school

Taught in French. Continuation of basic French inter-communication skills both producing French (speaking and writing), and interpreting French (listening and reading.) The aim is to comprehend and contribute to discussions about families, housing, sports, travel, and traditions in French.

*Outcomes:*

Students will comprehend and speak in present, future, and past narrative; get and give simple direction; share personal information; Achievement level desired: ACTFL\* Novice Low to Mid

**FREN 103 Intermediate French I (3 Credit Hours)**

*Pre-requisites:* FREN 102, or equivalent French at another college, with C- or better, or placement test score; Exam required for placement on the basis of high-school work: please go to Modern Languages home page for placement test instructions

Taught in French. Course continues to work on focus on pronunciation, grammar, and developing conversational and writing fluency. Students will read excerpts of French and francophone media or literature. Topics include the environment and the many francophone cultures and tasks include narrating in more complex past, future and hypothetical contexts.

*Outcomes:*

Students become more fluent and precise in expressing opinions, asking and answering more probing and data-driven questions, on topic; Achievement level desired ACTFL\* Novice Mid to High

**FREN 104 Intermediate French II (3 Credit Hours)**

*Pre-requisites:* FREN 103, or equivalent French at another college, with C- or better, or placement test score; Placement test on the basis of high-school work required: please go to Modern languages home page for placement test instructions

Taught in French. Students will comprehend and produce French in more complex contexts (literary and cultural) while reviewing intermediate grammar structures to improve fluency and accuracy. Students present and debate cultural, historical or current events topics; practice expressing emotion, opinion, judgment, necessity, hypotheticals, and regret.

*Outcomes:*

Students will skillfully interpret and write about literature excerpts or French and francophone media; They will summarize, narrate, and offer opinions; Achievement level desired ACTFL\* Novice High to Intermediate Low

**FREN 250 French Composition and Conversation I (3 Credit Hours)**

*Pre-requisites:* FREN 104, or college transfer equivalent, with C- or better, or placement test score; Placement test based on high-school work is required: please go to Modern Languages home page for placement test instructions

Taught entirely in French. Students develop advanced interpretive and presentation skills, detecting sequencing, time frames and chronology in texts, whether heard or viewed. Format is discussion, presentation, role plays, several compositions written in a process.

*Outcomes:*

Students will share points of view verbally and in writing on contemporary topics discovered in current media of French and francophone cultures; Achieved level desired ACTFL\* Intermediate Low to Mid

**FREN 251 French Composition and Conversation II (3 Credit Hours)**

*Pre-requisites:* FREN 104, or college transfer equivalent, with C- or better or placement test score; Placement test based on high-school work is required: please go to Modern Languages home page for placement test instructions

Taught entirely in French. Via classic, French New Wave, francophone to contemporary French-speaking film students discover and compare cultural differences, discuss global or local concerns, spanning the disciplines. Writing in a process leads to more sophisticated writing skills.

*Outcomes:*

Students become ever-precise and effective in communicating facts, opinions, and concerns about French-speaking communities in relationship to their own; Achieved level desired ACTFL\* Intermediate Low to Mid

**FREN 270 Main Currents of French Literature & Culture I (3 Credit Hours)**

*Pre-requisites:* Pass FREN 250 and/or FREN 251 with C- or better or AP credit for both 250 and 251, or with instructor's consent

Survey of representative works of French literature from the Middle Ages, the Renaissance, and the 17th and 18th centuries, examining the formation of French cultural identity up through the Enlightenment and the French Revolution.

*Interdisciplinary Option:* European Studies

*Outcomes:*

Students will identify literary and cultural trends and ruptures across these centuries, and explain them in some detail; Achievement level desired: ACTFL\* Intermediate Mid to High

**FREN 271 Main Currents of French Literature & Culture II (3 Credit Hours)**

*Pre-requisites:* Pass FREN 250 and/or FREN 251 with C or better, acquire AP credit, or instructor's consent

Survey of representative works of French literature in all genres, from Romanticism through narrative realism and the modernist innovations of Surrealism and existentialism in the 20th century.

*Interdisciplinary Option:* European Studies, Global Studies

*Outcomes:*

Students will learn to identify these literary and cultural movements, and explain in some detail their importance regarding French cultural identity; Achievement level desired: ACTFL\* Intermediate Mid to High

**FREN 300 Tutorial for Credit (1-6 Credit Hours)**

*Pre-requisites:* FREN 270 and 271, with C or better, and instructor's consent; If either 270 or 271 have been completed, the other may be taken simultaneously with 3##

Eligible students majoring in French may elect tutorial for credit; topic chosen in consultation with faculty member.

*Outcomes:*

Student may choose their own topic to explore

**FREN 301 Stylistics (3 Credit Hours)**

*Pre-requisites:* FREN 270 and 271, with C or better, and instructor's consent; If either 270 or 271 have been completed, the other may be taken simultaneously with 3##

This is advanced work in writing expository prose is based on intensive study of advanced grammar and syntax with attention to peculiar features of the French idiom. Students examine phonology and phonetics with attention to French speech patterns and rhythms whilst enhancing vocabulary development through the varieties of lexical references and other dictionaries.

*Outcomes:*

Students will be able to demonstrate a sophisticated, comprehensive command of the complexities of written and spoken French; Achievement level desired: ACTFL\* Advanced Low

**FREN 302 French for Professions (3 Credit Hours)**

*Pre-requisites:* FREN 270 and 271, with C or better, and instructor's consent; If either 270 or 271 have been completed, the other may be taken simultaneously with 3##

Surviving in global careers—commerce, law, diplomacy, communications, health—requires knowledge of business terminology and organism structures. Students study current events, and present on francophone companies, institutions, and NGO's. Résumés are perfected in French, interview questions are drilled. The French government DAF (Diplôme du français des affaires) exam is optional.

*Outcomes:*

Students will be able to navigate confidently in French business and diplomatic sectors; They will be prepared to interview in French; ACTFL\* achievement level desired: Intermediate High to Advanced Low

**FREN 308 Literary Criticism and Theory (3 Credit Hours)**

*Pre-requisites:* Completion of French major course requirements and instructor's consent

Capstone for all French Majors, taken with other Modern Languages & Literatures language majors. Students will study major schools and themes in literary theory, both historical and contemporary. Rhetorical, philosophical, historical, and cultural approaches to literature will be studied in intimate conjunction with specific literary texts drawn from several linguistic and cultural traditions.

*Course equivalencies:* X-FREN/GERM/ITAL/SPAN308

*Outcomes:*

Students will be able to demonstrate critical knowledge and understanding of major theoretical issues in the study of literature; ACTFL\* achievement level desired: Advanced Low to Mid

**FREN 309 Francophone Literature (3 Credit Hours)**

*Pre-requisites:* FREN 271 with C or better, and instructor's consent

Students explore salient characteristics and themes of literature of various genres written in French from Northern and Sub-Saharan Africa, the Caribbean, and Québec. Topics include «la négritude», other reactions to colonialism, 'borrowed language', ideas and realities of liberation, post-colonialism, the francophone woman, literature as political agent, and satire.

*Interdisciplinary Option:* African Studies and the African Diaspora, Global Studies

*Course equivalencies:* X-FREN309/BWS 309/INTS309

*Outcomes:*

Students will be able to demonstrate critical knowledge of historical and political implications of these movements in contemporary global society; ACTFL\* achievement level desired: Intermediate Mid to Advanced Low

**FREN 311 French Modernity (3 Credit Hours)**

*Pre-requisites:* FREN 271 with C or better, and instructor's consent

Students study major French authors of the twentieth and twenty-first centuries (Proust, Malraux, Sartre, Camus, and others), with attention to the historical context of their works against the background of two world wars and world-wide revolutionary movements, along with their interaction with other artistic media.

*Interdisciplinary Option:* European Studies, Global Studies

*Outcomes:*

Students will be able to demonstrate critical knowledge of major literary works studied, and appreciate the major issues and their cultural significance; ACTFL\* achievement level desired: Intermediate Mid to Advanced Low

**FREN 314 Survey of Medieval Literature (3 Credit Hours)**

*Pre-requisites:* FREN 270 with a grade of C or better and permission of the instructor

This course will explore the literature and culture of the French Middle Ages. Students will develop familiarity with literary genres and themes including the chansons de geste, romances, and fabliaux, courtly love, the international character of medieval French literature, voices and representation of women, and the role of the Church.

*Interdisciplinary Option:* Medieval Studies

*Course equivalencies:* X-FREN314/MSTU372

*Outcomes:*

Students will be able to demonstrate critical knowledge of major literary works studied, and appreciate the major issues and their cultural significance; ACTFL\* achievement level desired: Intermediate Mid to Advanced Low



**FREN 316 Renaissance France (3 Credit Hours)**

*Pre-requisites:* FREN 270 with C or better, and instructor's consent  
Students study major authors of the French Renaissance in their historical and cultural contexts. Authors to be read will include Marot, Labé, Scève, Rabelais, Du Bellay, Ronsard, and Montaigne, in conjunction with study of Renaissance culture, the Reformation, the Wars of Religion, and the other arts.

*Interdisciplinary Option:* European Studies

*Outcomes:*

Students will be able to demonstrate critical knowledge of major literary works studied, and appreciate the major issues and their cultural significance; ACTFL\* achievement level desired: Intermediate Mid to Advanced Low

**FREN 317 Le Grand Siècle (3 Credit Hours)**

*Pre-requisites:* FREN 270 with C or better, and instructor's consent  
Students study major authors of the "long" 17th century in historical and cultural contexts: Corneille, Cyrano, Descartes, Pascal, Mme de Lafayette, Molière, Racine, Mme de Sévigné, the moralistes, among others. Focus is on complex historical contexts of the period: baby kings, the Fronde, religious conflict, the court and wars of Louis XIV.

*Interdisciplinary Option:* European Studies

*Outcomes:*

Students will be able to demonstrate critical knowledge of major literary works studied, and appreciate the major issues and their cultural significance; ACTFL\* achievement level desired: Intermediate Mid to Advanced Low

**FREN 318 Enlightenment France (3 Credit Hours)**

*Pre-requisites:* FREN 270 with C or better, and instructor's consent  
Students study major French authors of the European Enlightenment. Authors to be read will include Montesquieu, Voltaire, Rousseau, and Diderot, among others, in the context of the development of (and resistance to) the Enlightenment and the French Revolution.

*Interdisciplinary Option:* European Studies

*Outcomes:*

Students will be able to demonstrate critical knowledge of major literary works studied, and appreciate the major issues and their cultural significance; ACTFL\* achievement level desired: Intermediate Mid to Advanced Low

**FREN 319 Romantic Century (3 Credit Hours)**

*Pre-requisites:* FREN 271 with C or better, and instructor's consent  
Students study the emergence of French Romanticism in the wake of Revolutionary tumult (Lamartine, Vigny, and Hugo), and of the deeper and darker reaction to bourgeois culture (Baudelaire, Flaubert, Rimbaud, and others), marking relations with painting, sculpture, and music.

*Interdisciplinary Option:* European Studies

*Outcomes:*

Appreciation of works from modern sensibilities are formulated, plus an understanding of major issues and questions in these works and their culture; ACTFL\* achievement level desired: Intermediate Mid-Advanced Low

**FREN 320 Survey of Literature of the Theatre (3 Credit Hours)**

*Pre-requisites:* French 270 and 271, with C or better, and instructor's consent; If either 270 or 271 have been completed, the other may be taken simultaneously with 3##

Students study theater in French from its medieval beginnings to the present. Authors/works to be read may include medieval farce, Turnèbe, Corneille, Molière, Racine, Diderot, Hugo, Rostand, Ionesco, Girardoux, Beckett, and Césaire. Works will be studied in historical, cultural, critical, and performing contexts.

*Outcomes:*

Students will demonstrate critical knowledge of major works of French theater, and appreciate the major issues involved and their cultural significance; ACTFL\* achievement level: Intermediate Mid to Advanced Low

**FREN 330 Survey-Poetry Thry & Practice (3 Credit Hours)**

*Pre-requisites:* FREN 270 and 271, with C or better, and instructor's consent; If either 270 or 271 have been completed, the other may be taken simultaneously with 3##

Theory and Practice. Study of French narrative, dramatic, and lyric poetry, with emphasis on the lyric.

*Outcomes:*

Students will be able to demonstrate detailed critical knowledge and comprehension of major literary works of the genre under study, as well as a sophisticated critical appreciation of the major issues and questions in these works and their culture

**FREN 340 Survey of Prose: Fictional & Non-Fictional (3 Credit Hours)**

*Pre-requisites:* FREN 270 and/or FREN 271 with C or better, and instructor's consent

Students conduct detailed analysis of the outstanding stylistic features of France's great prose writers from the XVIth century to the present day. Works may include writings by Rabelais, Montaigne, Pascal, Voltaire, Flaubert, Balzac, Michelet, Proust, Camus, Malraux and Lévi-Strauss, among others.

*Interdisciplinary Option:* European Studies

*Outcomes:*

Appreciation of the rich variety of expressive skills and moral penetration among France's great prose writers; ACTFL\* achievement level desired: Intermediate Mid to Advanced Low

**FREN 369 Introduction to French for Reading Knowledge (3 Credit Hours)**

This course will prepare students for reading and conducting research in French. Fundamentals of grammar, syntax, and vocabulary essential to reading competence will be covered, using materials drawn from a wide range of fields. Completion of this course with a passing grade fulfills the Graduate School language competency requirement. This course is restricted to graduate students.

*Course equivalencies:* FREN369 / FREN109

**FREN 390 French & Francophone Cultures & Civilizations (3 Credit Hours)**

*Pre-requisites:* FREN 271 with C or better, and instructor's consent

This multidisciplinary study of French and Francophone cultures as they have developed over the centuries will focus on the historical, institutional, religious, and artistic manifestations that have contributed to the formation of these identities. Special attention will be given to their revolutionary role in politics, painting, intellectual life, and cinema.

*Interdisciplinary Option:* African Studies and the African Diaspora, Global Studies

*Course equivalencies:* X-FREN390/INTS390

*Outcomes:*

Students will be able to identify and discuss the revolutionary roles these cultures have had in politics, painting, intellectual life, and cinema; ACTFL\* achievement level desired: Intermediate Mid to Advanced Low

**FREN 395 Internship (3 Credit Hours)**

*Pre-requisites:* Completion of at least one 300-level French course and instructor's consent

Eligible students who have secured an internship related to the field of study may complete an internship for credit, with the approval of a faculty member. Students complete reflective assignments and a final project in French, in consultation with the faculty member.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students gain professional experience while working with the French language and Francophone cultures and applying skills they have learned in the classroom

**FREN 399 French Honors Tutorial (3 Credit Hours)**

Eligible students majoring in French and with departmental honors may elect tutorial for credit; topic chosen in consultation with faculty member. Instructor's consent, restricted to students in French BA.

*Course equivalencies:* FREN399H / FREN399

*Outcomes:*

Students will explore a topic of their choice guided by a faculty member, and will conduct a research project that will result in a final paper

## German (GERM)

**GERM 101 Elementary German I (3 Credit Hours)**

This course is an introduction to German, designed for students with no previous experience. Students develop communicative language skills and acquire a fundamental knowledge of German-speaking cultures.

*Outcomes:*

Students will be able to understand simple sentences and short narratives, respond to basic inquiries about themselves and others, formulate basic questions, comprehend basic written texts, and write simple German sentences

**GERM 102 Elementary German II (3 Credit Hours)**

*Pre-requisites:* GERM 101

Students will further develop communicative language skills and knowledge of German-speaking cultures, and will finish learning all the basic grammatical structures of the language.

*Outcomes:*

Students will have learned to express themselves through a wider range of vocabulary and grammatical structures; They will be able to express appropriate reactions to ordinary situations, read more complex texts, and write sentences in short but cohesive paragraphs

**GERM 103 Intermediate German I (3 Credit Hours)**

*Pre-requisites:* GERM 102 Students will review and develop their understanding of German grammar and vocabulary

Students will read and discuss a variety of short readings, including short stories and poetry.

*Outcomes:*

Students will have gained a wider range of oral expression, both lexical and grammatical; They will be able to express more complex reactions, read more complex narrative and literary texts, and write sentences in longer paragraphs

**GERM 104 Intermediate German II (3 Credit Hours)**

*Pre-requisites:* GERM 103 This course focuses on review and practice of more complex grammatical elements

Students will read texts of greater length and complexity, expand their vocabulary, and increase their ability to communicate, both orally and in writing.

*Outcomes:*

Students will have gained a wider range of oral expression, both lexical and grammatical; They will be able to express more complex reactions, read more complex narrative and literary texts, and write sentences in cohesive paragraphs and short essays

**GERM 250 Composition & Conversation I (3 Credit Hours)**

*Pre-requisites:* GERM 104

This is a briskly paced class in which students engage in learning to express themselves effectively, both orally and in writing, in German. All work is carried out in German.

*Interdisciplinary Option:* German Studies

*Outcomes:*

Students gain confidence in their ability to speak, read and write modern German, and will gain a wider range of oral expression, both lexical and grammatical

**GERM 251 Composition & Conversation II (3 Credit Hours)**

*Pre-requisites:* GERM 250

Students will learn to express themselves with increasing sophistication in both oral and written German. Course materials are challenging and may include a full length literary text.

*Interdisciplinary Option:* German Studies

*Outcomes:*

Students will gain further confidence in their ability to speak, read and write modern German, and will have gain a wider range of oral expression, both lexical and grammatical

**GERM 270 Modern German Literature and Culture I (3 Credit Hours)**

*Pre-requisites:* GERM 103 or equivalent

Representative works in literature, philosophy, and fine arts, with sociopolitical backgrounds, 1830-1900.

*Interdisciplinary Option:* European Studies, Global Studies

*Outcomes:*

Students will be able to understand revolutionary post-romanticism, realism, and naturalism in German literature and culture

**GERM 271 Modern German Literature and Culture II (3 Credit Hours)**

*Pre-requisites:* GERM 271

Representative works in literature, philosophy, and fine arts, with sociological backgrounds, 1900-present.

*Interdisciplinary Option:* European Studies, Global Studies

*Outcomes:*

Students will be able to understand neoromanticism, expressionism, literature and fascism, socialist realism, and postwar culture in West and East Germany

**GERM 300 Tutorial for Credit (1-6 Credit Hours)**

*Pre-requisites:* Permission of chairperson

Eligible students minoring in German may elect tutorial for credit.

*Outcomes:*

Students will be able to focus on a specific aspect of German literature or culture

**GERM 320 German-American History: Focus on Chicago (3 Credit Hours)**

This engaged-learning course traces the history of German-speaking immigrants in the United States from its very beginnings in 1608, through the 19th century heyday of German immigration, and to the present day. Chicago will function as a case study. Students will interact with the DANK Haus and the German community in Chicago.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will learn about the historical chronology of German-speaking immigration to the United States, assimilation, and German-American cultural contributions to the US, with a focus on Chicago; Students will interact with the DANK Haus and the German community in Chicago

**GERM 369 German Reading Knowledge (3 Credit Hours)**

This course provides graduate students in the humanities, arts and social sciences with the fundamentals of German grammar for the purposes of reading and translating academic German. Students will work through German grammar explanations, vocabulary, strategies for negotiating meaning, and translation exercises.

*Course equivalencies:* GERM369 / GERM109

**GERM 370 German Cinema (3 Credit Hours)**

The course provides an overview of German film from its beginnings until the present time. Movies will be screened and discussed chronologically from the various eras of German film: Silent Movies, Weimar Sound Movies, Film in the Third Reich, Post-War Films, New German Cinema and Movies of Unified Germany. Taught in English.

*Interdisciplinary Option:* European Studies, Film & Digital Media Studies, German Studies, Global Studies, International Film & Media Studies

*Course equivalencies:* X-GERM370/ICVM370/IFMS370

## German Studies (GRMS)

**GRMS 300 German Studies Minor Capstone (1 Credit Hour)**

In an independent study format, students write a 10-15 page paper that synthesizes the knowledge gained in their coursework into an interdisciplinary project, combining that knowledge with the student's other academic interests. Alternatively, students may secure a supervised internship at a German-related institution or organization that also lines up with their interests. Students must be near completion of most requirements for German Studies Minor in order to be eligible for enrollment.

*Interdisciplinary Option:* German Studies

*Outcomes:*

Interdisciplinary synthesis of coursework into a paper, or outcomes based on a specific internship, including a reflection component

## Global Studies (GLST)

**GLST 101 Introduction to Global Studies (3 Credit Hours)**

This course serves as an introduction to the interdisciplinary field of global studies. It provides an overview of the major disciplines represented in the program, introduces the main regions covered in the program, and discusses important global issues.

*Interdisciplinary Option:* African Studies and the African Diaspora, Asian Studies, European Studies, Global Studies, Islamic World Studies, Latin American Studies

*Outcomes:*

By analyzing various topics in global studies, students will gain an understanding of the different regions of the world and the ways that different disciplines contribute to this interdisciplinary field

**GLST 301 Capstone in Global Studies: Directed Readings (3 Credit Hours)**

*Pre-requisites:* Course requires permission of instructor; GLST will enroll approved students directly (no self-enrollment or non-GLST advisors); Course is open only to junior and senior majors and minors

This course number may be used only exceptionally for a course of study that a student contracts with a faculty mentor of their choosing and that is not offered otherwise at Loyola. The contracted course must function as a way for students to draw together their undergraduate studies in a "capstone" fashion and in a way that is relevant to the concerns of the Global Studies Program. Students must arrange this course of study with their chosen faculty mentor. The faculty mentor should send the syllabus to the director of global studies at least one month before the start of the term in which the student plans to undertake their course of study. Students will complete a very substantial research project or paper of approximately 20,000 to 25,000 words (about 40-50 double-spaced pages) that they work on over the course of the entire semester with their faculty mentor.

*Interdisciplinary Option:* Global Studies

*Outcomes:*

Students will improve their research and writing skills and will acquire an in-depth knowledge of an issue critical to a comprehensive understanding of the interdisciplinary field of global studies

**GLST 302 States and Firms (3 Credit Hours)**

This course focuses on the relationship between multinational corporations and the state. It explores the origin of firms, as well as issues such as corruption, tax policy, bailouts, and economic development. It also examines the development of private military contractors and their relationship to state security.

*Interdisciplinary Option:* Global Studies

*Outcomes:*

Students will be able to demonstrate understanding of the various relations between multinational corporations and states as well as private military contractors and states

**GLST 303 Technological Change and Society (3 Credit Hours)**

This course explores how changes in technology affect society in four broad areas: its impact on how we communicate, on the workplace, on regulatory issues surrounding technology firms, and on humanity itself.

*Interdisciplinary Option:* Global Studies

*Outcomes:*

Students will be able to demonstrate an understanding of the various relations between technology and society

**GLST 304 Global Civil Society and Social Movements (3 Credit Hours)**

This course focuses on global civil society groups (both advocacy groups or apolitical) and on social movements that seek to fight injustices.

We discuss a variety of examples of civil society projects ranging from monitoring government corruption and promoting micro-credit to organizing transnational protest campaigns.

*Interdisciplinary Option:* Global Studies

*Course equivalencies:* X-GLST 304/SOCL 304

*Outcomes:*

Students will demonstrate a comprehension of the dynamics of global civil society and social movements, both for cases discussed in class and to material from outside class

**GLST 305 Globalization and Environmental Sustainability (3 Credit Hours)**

This course introduces students to social, political and economic factors that have contributed to globalization, development and their impact on the environment. It provides students with the background and conceptual tools to understand global environmental challenges and questions.

*Interdisciplinary Option:* Global Studies

*Outcomes:*

Students will develop a fundamental knowledge of the study of global development and environmental challenges and develop analytical skills to assess the tradeoffs involved in economic development and environmental sustainability

**GLST 306 International Development (3 Credit Hours)**

This course provides an interdisciplinary overview of the international development system and issues related to development in those countries variously referred to as third world, developing, underdeveloped, or peripheral countries.

*Interdisciplinary Option:* Global Studies

*Course equivalencies:* X-GLST 306/SOCL 306

*Outcomes:*

Students will be able to demonstrate a fundamental knowledge of the various factors that are considered to help or hinder development

**GLST 370 Internship in Global Studies (3-6 Credit Hours)**

*Pre-requisites:* Open to all GLST major and minors but requires instructor permission to enroll

Students enrolled in this course must secure an internship relevant to the field of global studies. Students not only engage in regular workplace activities but also attend class meetings, complete writing assignments reflecting on their internship placements, write a final paper, and submit a final evaluation from their workplace supervisor.

*Interdisciplinary Option:* African Studies and the African Diaspora, Asian Studies, European Studies, Global Studies, Islamic World Studies, Latin American Studies

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will demonstrate awareness of at least one important global concern or issue as addressed in the internship

**GLST 398 Topics in Global Studies (3 Credit Hours)**

This is a variable topics course. Specific topics vary from semester to semester.

*Interdisciplinary Option:* Global Studies

*Outcomes:*

Students will be able to demonstrate knowledge of a unique topic in the interdisciplinary field of Global Studies

## Greek (GREK)

**GREK 101 Ancient Greek I (3 Credit Hours)**

This course introduces students to elementary grammatical forms, basic syntax, and vocabulary of ancient Greek, and simple readings in the language.

*Course equivalencies:* GREK131/GREK101

*Outcomes:*

students should be able to demonstrate basic knowledge of ancient Greek vocabulary, syntax and grammar and deploy it to be able to translate accurately simple Greek sentences and passages into English

**GREK 102 Ancient Greek II (3 Credit Hours)**

*Pre-requisites:* GREK 101

This course continues the study of the fundamentals of the ancient Greek language, including more vocabulary, grammar, syntax and more advanced readings. (Ancient Greek I or its equivalent is a prerequisite for this course.)

*Course equivalencies:* GREK132/GREK102

*Outcomes:*

Students should be able to demonstrate more advanced knowledge of ancient Greek vocabulary, syntax and grammar, and deploy it to be able to translate accurately more advanced Greek sentences and passages into English

**GREK 236 Xenophon (3 Credit Hours)**

*Pre-requisites:* GREK 102

This course centers on translation of representative selections from the prose works of Xenophon, with special emphasis on review of ancient Greek grammar as it is encountered in the selected texts.

*Outcomes:*

Students should be able to translate the selected prose passages in ancient Greek with accuracy, as well as demonstrate understanding of the content of the passages

**GREK 262 Introduction to Plato (3 Credit Hours)**

*Pre-requisites:* GREK 102

This course centers on translation of representative selections from works of the philosopher Plato, with special emphasis on review of ancient Greek grammar as it is encountered in the selected texts.

*Outcomes:*

Students should be able to translate accurately the selected passages from Plato, as well as demonstrate knowledge and understanding of the content of the passages

**GREK 267 Intro to New Testament Greek (3 Credit Hours)**

*Pre-requisites:* GREK 102

This course centers on translation of selections from the New Testament, with special emphasis on review of ancient Greek grammar as it is encountered in the selected texts.

*Interdisciplinary Option:* Catholic Studies

*Course equivalencies:* X-GREK267/THEO307

*Outcomes:*

Students should be able to translate accurately the selected passages, as well as demonstrate knowledge and understanding of the content



**GREK 271 Intermediate Greek (3 Credit Hours)**

*Pre-requisites:* GREK 101; GREK 102 or equivalent This intermediate-level course centers on translation of prose and poetry of Greek authors, with special emphasis on review of Greek grammar as it is encountered in the selected texts

No course description is available

*Outcomes:*

To review and master basic Greek grammar, vocabulary, and syntax; To read and understand selections of Greek prose and poetry in the original language; To prepare for further study in ancient Greek literature (in the original), history, and culture

**GREK 275 Introduction to Greek Oratory (3 Credit Hours)**

*Pre-requisites:* GREK 102

This course centers on translation of selections from Attic and other ancient Greek orators, with special emphasis on review of ancient Greek grammar as it is encountered in the selected texts.

*Outcomes:*

Students should be able to translate accurately the selected passages, analyze and appreciate their style and content, and demonstrate knowledge and understanding of their contexts and meanings, as well as rhetorical figure and constructs in them

**GREK 281 Intro to Greek Historiography (3 Credit Hours)**

*Pre-requisites:* GREK 102

This course centers on translation of representative selections from the historical works of ancient Greek authors, with special emphasis on review of ancient Greek grammar as it is encountered in the selected texts.

*Outcomes:*

Students should be able to translate accurately ancient Greek historical prose passages, analyze and appreciate their style and contents, and demonstrate knowledge and understanding of their various contexts and meanings

**GREK 285 Introduction to Greek Poetry (3 Credit Hours)**

*Pre-requisites:* GREK 102

This course centers on translation of representative selections from the poetic works of ancient Greek authors, with special emphases on review of Greek grammar as it is encountered in the selected texts and the basic style and structure of Greek poetry.

*Outcomes:*

Students should be able to translate accurately the selected passages in Greek poetry, comprehend, analyze and appreciate various poetic genres, as well as demonstrate knowledge and understanding of the content and artistry of the selected poetry

**GREK 286 Introduction to Greek Drama (3 Credit Hours)**

*Pre-requisites:* GREK 101 and 102 or their equivalents

This course centers on translation of representative selections from the dramatic works of ancient Greek authors, with special emphases on review of Greek grammar as it is encountered in the selected texts and the basic style and structure of Greek drama.

*Outcomes:*

Students should be able to translate accurately the selected passages in Greek drama, comprehend, analyze and appreciate the genre, as well as demonstrate knowledge and understanding of the content and artistry of the selected texts

**GREK 287 Introduction to Christian Greek (3 Credit Hours)**

*Pre-requisites:* GREK 102

This course focuses on the translation of selected passages from Christian Greek writers, such as Origen, Basil, and Gregory, with special emphasis on review of grammar as it is encountered in the selected texts.

*Outcomes:*

Students should be able to translate accurately the selected readings, analyze and appreciate their style and content, and demonstrate knowledge and understanding of their contexts and meanings

**GREK 289 Readings in Ancient Greek Literature (3 Credit Hours)**

*Pre-requisites:* GREK 101 and 102 or their equivalents

Students study a selected range of texts in ancient Greek literature. (This is a special topics course in ancient Greek.)

*Outcomes:*

Students should be able to demonstrate deeper knowledge and understanding of ancient Greek literature, its style, and its possible interpretations

**GREK 303 Greek Composition (3 Credit Hours)**

*Pre-requisites:* Two other GREK author courses

This course involves practical exercises to develop correct and fluent expression in written ancient Greek prose.

*Outcomes:*

students should be able to write ancient Greek in various styles, demonstrating facility in deploying fluent knowledge of vocabulary, syntax and grammar in the writing of ancient Greek prose

**GREK 315 The Greek Fathers (3 Credit Hours)**

This course examines the writings of the early church fathers, including such as Athanasius, Basil and John (Chrysostom); it also comprises an introduction to the historical background of Eastern patristic thought.

*Interdisciplinary Option:* Catholic Studies

*Outcomes:*

Students should be able to translate these works with proficiency, demonstrate knowledge in detail of the writings, their authors and their times, and appreciate more deeply the issues and concerns located in these writings

**GREK 325 Demosthenes (3 Credit Hours)**

This course examines the works of the Attic orator Demosthenes, amid the political and historical context of later Classical Athens.

*Outcomes:*

Students should be able to translate these works with proficiency, demonstrate knowledge in detail of the genre, the author and his times, and understand and appreciate the ideas, issues and concerns expressed in the orations

**GREK 331 Herodotus (3 Credit Hours)**

This course focuses on the Histories of Herodotus, the events about which he writes, and the various contexts in which his work was produced.

*Outcomes:*

Students should be able to translate the Histories with proficiency, as well as demonstrate knowledge in detail of the work, its author, and its historical and political contexts and significances

**GREK 335 Thucydides (3 Credit Hours)**

This course focuses on the History of the Peloponnesian War of Thucydides, the events about which he writes, and the various contexts in which his work was produced.

*Outcomes:*

Students should be able to translate the History with proficiency, as well as demonstrate knowledge in detail of the work, its author, and its historical and political contexts and significances

**GREK 341 The Iliad (3 Credit Hours)**

This course centers on Homer's Iliad and the genre of ancient Greek epic poetry, in particular, on the characters of the heroes and their place within the context of Greek society and thought.

*Outcomes:*

Students should be able to translate the Iliad with proficiency, and demonstrate detailed knowledge of the author, the poem, its contents and meanings, as well as deeper understanding and appreciation of various contexts of the poem, its transmission, and the accomplishment of its composition

**GREK 342 The Odyssey (3 Credit Hours)**

This course focuses on Homer's Odyssey and the genre of ancient Greek epic poetry, in particular, on the character of Odysseus and his place within the context of Greek society and thought.

*Outcomes:*

Students should be able to translate the Odyssey with proficiency, and demonstrate detailed knowledge of the author, the poem, and its contents and meanings, as well as deeper understanding and appreciation of various contexts of the poem, its transmission, and the accomplishment of its composition

**GREK 343 Greek Lyric Poetry (3 Credit Hours)**

The subject of this course is ancient Greek lyric poetry involving selections from such as Archilochus, Sappho, Alcaeus, and Anacreon.

*Outcomes:*

Students should be able to translate the selected works with proficiency, demonstrate knowledge in detail about the authors, their poetry, and the various poetic styles they employed, as well as deeper understanding and appreciation of the historical, social and intellectual contexts and influences pertaining to them

**GREK 351 Aristophanes (3 Credit Hours)**

This course focuses on the comedic poetry of Aristophanes, set against the backdrop of Athens in the late fifth century B.C.E.

*Interdisciplinary Option:* Shakespeare Studies

*Outcomes:*

Students should be able to translate the selections of Aristophanes with proficiency, and demonstrate knowledge in detail about the author and his comedies, as well as deeper understanding and appreciation of the historical, social and intellectual contexts and influences pertaining to them

**GREK 353 Aeschylus (3 Credit Hours)**

This course focuses on selected tragedies of Aeschylus, set against the backdrop of Athens in the earlier fifth century B.C.E.

*Interdisciplinary Option:* Shakespeare Studies

*Outcomes:*

Students should be able to translate the selections from Aeschylus with proficiency, and demonstrate knowledge in detail about the author and his tragedies, as well as deeper understanding and appreciation of the historical, social and intellectual contexts and influences pertaining to them

**GREK 354 Sophocles (3 Credit Hours)**

This course focuses on selected tragedies of Sophocles, set against the backdrop of Athens in the fifth century B.C.E.

*Interdisciplinary Option:* Shakespeare Studies

*Outcomes:*

Students should be able to translate the selections from Sophocles with proficiency, and demonstrate knowledge in detail about the author and his tragedies, as well as deeper understanding and appreciation of the historical, social and intellectual contexts and influences pertaining to them

**GREK 355 Euripides (3 Credit Hours)**

This course focuses on selected tragedies of Euripides, set against the backdrop of Athens in the later fifth century B.C.E.

*Interdisciplinary Option:* Shakespeare Studies

*Outcomes:*

Students should be able to translate the selections from Euripides with proficiency, and demonstrate knowledge in detail about the author and his tragedies, as well as deeper understanding and appreciation of the historical, social and intellectual contexts and influences pertaining to them

**GREK 360 Theocritus (3 Credit Hours)**

This course centers on the poetry of Theocritus of Syracuse, set against the background of Hellenistic Alexandria.

*Outcomes:*

Students should be able to translate the selections from Theocritus with proficiency, and demonstrate knowledge in detail about the author, his poetry, and the styles he employed, as well as deeper understanding and appreciation of the historical, social and intellectual contexts and influences pertaining to them

**GREK 362 Plato Republic (3 Credit Hours)**

This course centers on translation, evaluation and interpretation of selections from Plato's Republic.

*Outcomes:*

Students should be able to translate the selections with proficiency, and demonstrate knowledge in detail about the author and his work, as well as deeper understanding and appreciation of the work's meaning and the historical, social and intellectual contexts and influences pertaining to it

**GREK 388 Readings in Greek Literature I (3 Credit Hours)**

Students study a selected range of masterworks in Greek literature. (This is a special topics course in ancient Greek.)

*Outcomes:*

Students should be able to translate the selected works with proficiency and demonstrate deeper knowledge and understanding of them, their styles and possible interpretations

**GREK 389 Readings in Greek Literature II (3 Credit Hours)**

Students study a selected range of masterworks in Greek literature. (This is a special topics course in ancient Greek.)

*Outcomes:*

Students should be able to translate the selected works with proficiency and demonstrate deeper knowledge and understanding of them, their styles and possible interpretations

## Hebrew (HEBR)

**HEBR 101 Modern Hebrew I (3 Credit Hours)**

An introduction to the fundamentals of modern Hebrew, together with study of the distinctive culture of the Jewish state of Israel.

*Outcomes:*

Students will be able to understand basic Hebrew sentences and to give basic information about themselves in Hebrew, and will demonstrate knowledge of the culture of modern Israel

**HEBR 102 Modern Hebrew II (3 Credit Hours)**

*Pre-requisites:* HEBR 101

A continued introduction to the fundamentals of modern Hebrew, together with study of distinctive culture of the Jewish state of Israel.

*Outcomes:*

Students will be able to understand basic Hebrew sentences and to give basic information about themselves in Hebrew, and will demonstrate knowledge of the culture modern Israel

**HEBR 103 Modern Hebrew III (3 Credit Hours)**

Taught in Hebrew. Course focuses on pronunciation, grammar, and developing conversational and writing fluency.

**HEBR 104 Modern Hebrew IV (3 Credit Hours)**

Taught in Hebrew. Students will comprehend and produce Hebrew in more complex contexts (literary and cultural) while reviewing intermediate grammar structures to improve fluency and accuracy. Students present and debate cultural, historical or current events topics; practice expressing emotion, opinion, judgment, necessity, hypotheticals, and regret.

## History (HIST)

**HIST 101 Culture, Power and Identity: Western Ideas & Institutions to 17th Century (3 Credit Hours)**

This course traces the early development of Western ideas and institutions from the ancient Near East; Greece and Rome; the medieval civilization(s); to the European Renaissance and Reformation.

*Knowledge Area:* Foundational Historical Knowledge

*Interdisciplinary Option:* Catholic Studies

*Course equivalencies:* X-HIST101/CATH101/ACHIS101

*Outcomes:*

Students will gain an understanding of history as a discipline; be able to place Judaism, Christianity, and Islam in historical context; explain the expansion of the West; and develop their critical thinking and communications skills

**HIST 102 Culture, Power and Identity: Western Ideas & Institutions from 17th Century (3 Credit Hours)**

This course traces the development of Western ideas and institutions and their global impact from the seventeenth century to the present.

*Knowledge Area:* Foundational Historical Knowledge

*Interdisciplinary Option:* European Studies

*Course equivalencies:* ACHIS 102 / HIST 102

*Outcomes:*

Students will gain an understanding of history as a discipline, develop critical thinking skills based on historical knowledge about the key people, places, and events that shaped the modern world, and hone their communication skills

**HIST 103 American Pluralism (3 Credit Hours)**

This course is an introduction to the origins, development and structure of the United States as a pluralistic and multiracial society from 1609 to the present.

*Knowledge Area:* Foundational Historical Knowledge

*Outcomes:*

Students will gain an understanding of history as a discipline, demonstrate historical knowledge, draw links between the American experience and national identities, and develop critical thinking and communication skills

**HIST 104 Global History Since 1500 (3 Credit Hours)**

This course deals with the emergence of the modern world, including such topics as the expansion and intensification of cross-cultural interaction; imperialism, colonialism, and nationalism; the spread of information; capitalism, industrialism, and popular sovereignty; race and ethnicity, gender, and socio-economic status.

*Knowledge Area:* Foundational Historical Knowledge

*Interdisciplinary Option:* Global Studies

*Course equivalencies:* HIST / ACHIS 104

*Outcomes:*

Students will gain an understanding of history as a discipline; Evaluate and explain the forces of historical continuity and change; Demonstrate how the encounters/changes between and among societies produced the world we have today; Analyze and discuss the significance of primary and secondary sources and how they relate to the history under discussion

**HIST 205 Modern Western Civilization: Social Sciences in Context (3 Credit Hours)**

An introduction to history as a discipline and an analysis of the history of Western civilization since the 17th century that emphasizes the contexts from which emerged the concepts of the social sciences and their related value systems.

**HIST 208 East Asian History: Themes & Issues (3 Credit Hours)**

*Pre-requisites:* HIST 101, HIST 102, HIST 103, HIST 104, or equivalent;

please check requirements for declared majors/minors for exceptions

This course explores the roles and contributions of China, Japan, and Korea from the sixteenth century to the present tracing such themes as nationalism, capitalism, socialism, imperialism, war, peace, race, and gender struggles.

*Knowledge Area:* Tier 2 Historical Knowledge

*Interdisciplinary Option:* Asian Studies, Global Studies, Japanese Language and Culture

*Course equivalencies:* X-HIST108/ASIA108/INTS108

*Outcomes:*

Students will demonstrate an ability to evaluate and explain the forces of historical continuity and change; understand the relationships among historical events, cultures and social forces; analyze and discuss the significance of primary and secondary sources

**HIST 208X Pre-Modern Chinese History (3 Credit Hours)**

This course starts with the formative periods of Chinese civilization from the Neolithic era and ends with the Opium War and the collapse of the Manchu Qing Empire in 1911. This course will provide students with an understanding of modern-day China by looking at China's dynamic and multilayered past.

*Knowledge Area:* Tier 2 Historical Knowledge

*Interdisciplinary Option:* Asian Studies, Chinese Language & Culture

*Course equivalencies:* X-HIST342A/ASIA342A

*Outcomes:*

Students will learn to: situate major historical events in China's early history in their proper geographical, chronological, and thematic context; and use primary and secondary sources to construct interpretations of historical problems and events

**HIST 208Z Modern Chinese History (3 Credit Hours)**

The course is specifically designed for foreign students studying in Beijing with the objective of enabling them to understand the ongoing social, economic and political trends which have roots in the past. The time period studied will span from the end of the 19th century through the 20th century.

*Knowledge Area:* Tier 2 Historical Knowledge

*Interdisciplinary Option:* Asian Studies, Chinese Language & Culture

*Course equivalencies:* X-HIST346A/ASIA346A/INTS346A

*Outcomes:*

students will learn to situate major historical events such as the May Fourth Movement in their proper geographical, chronological, and thematic context; and recognize the extent to which history is at the core of current Chinese leaders' speeches, policy making, and rule making

**HIST 209 Survey of Islamic History (3 Credit Hours)**

*Pre-requisites:* HIST 101, HIST 102, HIST 103, HIST 104, or equivalent;

please check requirements for declared majors/minors for exceptions

The course will introduce the historical development of Islamic civilization and the formation of Muslim social and political institutions from the 7th century to the present.

*Knowledge Area:* Tier 2 Historical Knowledge

*Interdisciplinary Option:* African Studies and the African Diaspora, Arabic Language and Culture, Asian Studies, Global Studies, Islamic World Studies

*Course equivalencies:* HIST/ASIA/IWS/INTS109/AFR111

*Outcomes:*

Students will be able to demonstrate knowledge of the historical development and diversity of Islamic beliefs, practices, and institutions in varied regional contexts and historical periods

**HIST 210 Latin American History: Themes & Issues (3 Credit Hours)**

*Pre-requisites:* HIST 101, HIST 102, HIST 103, HIST 104, or equivalent;

please check requirements for declared majors/minors for exceptions

This course explores the formation of modern Latin America by examining the region as a global nexus where ideologies, cultures, peoples, and political entities have conjoined and clashed from the fifteenth century to the present. Demonstrate and understanding of the relationships among historical events, culture and social forces. Differentiate between students' values and ways of understanding the world & those of other cultures.

*Knowledge Area:* Tier 2 Historical Knowledge

*Interdisciplinary Option:* African Studies and the African Diaspora, Global Studies, Latin American Studies

*Outcomes:*

Demonstrate and ability to evaluate and explain forces of historical continuity and change; Demonstrate and understanding of the relationships among historical events, culture and social forces; Differentiate between students' values and ways of understanding the world & those of other cultures

**HIST 211 US History to 1865: Themes & Issues (3 Credit Hours)**

*Pre-requisites:* HIST 101, HIST 102, HIST 103, HIST 104, or equivalent;

please check requirements for declared majors/minors for exceptions

This course is an introduction to the history of the United States from the colonial era through the Civil War.

*Knowledge Area:* Tier 2 Historical Knowledge

*Course equivalencies:* HIST201/HIST111/ACHIS201

*Outcomes:*

Students will demonstrate an understanding of Native American societies, the impact of European colonization, the creation and evolution of democratic institutions in a multicultural society, the geographic expansion of the United States, and the impact of slavery

**HIST 212 US History since 1865: Themes & Issues (3 Credit Hours)**

*Pre-requisites:* HIST 101, HIST 102, HIST 103, HIST 104, or equivalent;

please check requirements for declared majors/minors for exceptions

This course is an introduction to the history of the United States from the Civil War to the present.

*Knowledge Area:* Tier 2 Historical Knowledge

*Course equivalencies:* HIST202/HIST112/ACHIS202

*Outcomes:*

Students will demonstrate an understanding of how the United States became a modern industrial society, the emergence and evolution of the modern welfare state, the rise of the United States as a global power, and the impact of controversies over civil rights and liberties on American society

**HIST 213 African History: Themes & Issues (3 Credit Hours)**

*Pre-requisites:* HIST 101, HIST 102, HIST 103, HIST 104, or equivalent;

please check requirements for declared majors/minors for exceptions

This course surveys the history of Africa from dynastic Egypt to post-colonialism. The primary focus of this class is to examine the interactions African peoples had with non-Africans from the 15th century to the present. Engage communication skills and sensitivities. Possess a heightened understanding of diversity in the world.

*Knowledge Area:* Tier 2 Historical Knowledge

*Interdisciplinary Option:* African Studies and the African Diaspora, Global Studies, Islamic World Studies

*Outcomes:*

Engage in critical thinking skills and disposition; Engage communication skills and sensitivities; Possess a heightened understanding of diversity in the world

**HIST 253A Barbarians and the Fall of the Roman Empire (3 Credit Hours)**

This course examines the interaction between Romans and the so-called 'barbarians' such as the Goths, Huns, Slavs, and Arabs from the 2nd to the 7th centuries, with a focus on how new archaeological and skeletal data is changing our understanding of the barbarians.

*Interdisciplinary Option:* European Studies, Italian Studies, Medieval Studies

*Outcomes:*

Students will study the role of neighboring peoples in the collapse of the Roman Empire; interpret archaeological data; compare receptions of immigrants and refugees in the ancient and modern world

**HIST 254A The Vikings (3 Credit Hours)**

The Vikings are popularly thought of as invaders, marauders, destroyers of civilized peace. However, recent research has focused on their society, culture, accomplishments and contributions in a much more positive sense.

*Interdisciplinary Option:* European Studies, Medieval Studies

*Course equivalencies:* X-HIST334/MSTU326

*Outcomes:*

Students will gain an understanding of the impact of the Vikings on European development; a knowledge of historiographical issues concerning the Vikings; and awareness of various types of primary sources



**HIST 257A Witchcraft and Science in Pre-Modern Europe (3 Credit Hours)**

This course will trace the history of medieval and early modern ideas about nature, magic, demonology, and witchcraft, exploring the history of reason and rationality, elite and popular culture, persecution and society, and the intersections between Magic, Science, and Witchcraft.

*Interdisciplinary Option:* European Studies, Medieval Studies

*Outcomes:*

Students will understand connections between witchcraft and popular religions; the gendering of witches; the political and economic aspects of witch trials; and modern portrayals of witches in popular media

**HIST 258A Blood, Heresy, and Treason: The Tudors and Stuarts (3 Credit Hours)**

This course covers the most crucial period in the history of England, encompassing the Reformation, The Tudors, the Civil War, the Glorious Revolution, and the rise of Britain as a great power. Major figures featured include Richard III, Henry VIII, Thomas More, Elizabeth I, Shakespeare, Oliver Cromwell, and Charles II. Students will confront developments significant not just for the British Isles, but across the globe for centuries. Students will hone their critical thinking skills through the analysis of historical evidence.

*Interdisciplinary Option:* European Studies

**HIST 265A The First World War (3 Credit Hours)**

World War I is arguably the greatest watershed separating us from our pre-modern past. This course proposes to explore the causes, campaigns consequences, and cultural legacies of the war. Students will be required to read eyewitness accounts and memoirs, and view films that assess the war's impact on world civilization. Students will learn about the First World War by engaging with primary accounts by combatants and non-combatants. Students will hone their critical thinking skills through the analysis of historical evidence.

*Interdisciplinary Option:* European Studies

**HIST 267A Modern German Culture and Ideas I (3 Credit Hours)**

This course will investigate intellectual and cultural responses to major events of nineteenth-century German history, including the Napoleonic Wars, the Restoration, the Revolution of 1848, the unification of Germany, the German Empire under Bismarck and Wilhelm II, and events leading to the First World War.

*Interdisciplinary Option:* European Studies, German Studies

*Course equivalencies:* X-HIST321A/INTS321A

*Outcomes:*

The student will be able to connect German cultural life to political and social developments, and be able to identify intellectual currents such as Romantic Germany, Idealist Germany, and Dionysian Germany

**HIST 267B Modern German Culture and Ideas II (3 Credit Hours)**

This course will cover the major phases of modern German history: Wilhelmine Germany, Volkish Germany, Germany in the First World War, Weimar Germany, National Socialist Germany, Germany in the Second World War, Post-War West Germany, East Germany, and Reunification. While setting forth the background of political and social developments, we will carefully consider responses to these issues by leaders in German intellectual and cultural life.

*Interdisciplinary Option:* European Studies, German Studies, Global Studies

*Course equivalencies:* X-HIST336/INTS336

*Outcomes:*

Students will apprehend the role of Germany in World War I; the turn to the Weimar Republic; the Rise and Fall of National Socialism; the emergence of two Germanies as a consequence of defeat in World War II; reunification in 1989; and cultural responses to these developments

**HIST 275A The Silk Roads: Global Trade, Culture, & Politics (3 Credit Hours)**

The course will cover: exchanges between nomad and sedentary populations in East Asia and the flourishing of information routes to modern day Mongolia, Afghanistan, India, Greece and Rome; interactions with European powers, concepts of colonialism, imperialism, and the emergence of 20th century world wars; contemporary geo-political challenges in the region.

*Interdisciplinary Option:* Asian Studies, Global Studies

*Outcomes:*

Understand diversity in the World from a historical, political, and economic point of view; familiarize oneself with the relations between Asia and the West; highlight differences, similarities and reciprocal influences

**HIST 278A Violence Drug Trafficking & Crime in Latin America (3 Credit Hours)**

The aim of this course is to examine the historical factors behind Latin America's contemporary security crisis. With a particular focus on the region's process of modernization, state building and democratization, the course examines the linkages between political and criminal, as well as between past and present forms of violence. Students will be able to demonstrate an understanding of the main institutional, cultural, and political reasons behind the prevalence of violence and crime in the Latin American region.

*Interdisciplinary Option:* Global Studies, Latin American Studies

**HIST 279C History of Computing (3 Credit Hours)**

This course will teach students about the history of computing from the development of number systems and arithmetic, through calculating and computing machines, to advanced communication technology via the Internet. The History of Computing will foster historical awareness about the ongoing relationships between social organization, intellectual climate, and technological innovation. Students will attain computer science literacy while studying core historical concepts. They will learn the background of the computing discipline, which plays a significant role in modern human experience.

*Course equivalencies:* X - COMP 111 / HIST 279C

**HIST 279E Climate and History (3 Credit Hours)**

Explores the role of climate in history, from the emergence of homo sapiens to recent anthropogenic climate change. Major topics include the social impact of climate variability, sources of resilience, origins of scientific knowledge, and the use of historical knowledge in the present.

*Course equivalencies:* X-HIST279E/ ENVS279

*Outcomes:*

Students will analyze examples of climate shaping history, learn different ways that scholars have treated this relationship, and reflect on how this knowledge might be useful today

**HIST 280A Pirates and Sailors in the Revolutionary Atlantic (3 Credit Hours)**

Moving beyond seafaring lore and legend, this course places the history of pirates and sailors in the context of "Atlantic history." Students will explore how organized conquests and trading ventures led to the formation of the first British empire and the expansion of commercial networks around the Atlantic and beyond.

*Outcomes:*

Course prepares students to confront the way political and economic power is exercised, justified, questioned, and resisted during periods of rapid, global capitalist expansion

**HIST 290A History of Sexuality in the United States (3 Credit Hours)**

This course provides a historical introduction to sexual behaviors and attitudes in the United States from the early American period to the present. The primary emphasis concerns the impact of social and political change on sexual norms and behavior.

*Interdisciplinary Option:* Women & Gender Studies

*Course equivalencies:* X-HIST392/WOST/WSGS320

*Outcomes:*

The course enables students to comprehend the evolving boundaries of sexual behavior and the historical transformations of the family, sexuality, gender, and personal identity in the United States

**HIST 291A American Icons: Heroes, Images, Ideas (3 Credit Hours)**

We explore US history through iconic photographs, movies, artworks and essays. For example, the film "To Kill a Mockingbird," allows us to delineate the image of race, class and family in the South during the Great Depression, even as the film opens up Hollywood's role in shaping popular ideologies. Learn about 20th-century US history, including the Great Depression, Civil Rights Movement, and Cold War; develop writing and discussion skills; learn about the relationship between history and memory.

**HIST 297E North American Environmental History (3 Credit Hours)**

This course surveys the environment and environmentalism in United States history, from the transformation of New England into a farm ecology, the expansion of the cotton South, the settlement of the West, to the rise of industrial cities, suburban sprawl, and the globalization of the economy.

*Course equivalencies:* X-ENVS297/HIST297E

*Outcomes:*

Students will be able to demonstrate historical knowledge of environmental thought and ecological science, to draw links between environmental concerns and public policies, and to develop critical thinking and communication skills

**HIST 298A History and the Public: Intro to Public History (3 Credit Hours)**

History and the Public explores the field of public history with special emphasis on the theory, methods, practice, ethics, and controversies faced when preserving or presenting history outside of a formal classroom environment.

*Outcomes:*

Appreciate how public historians shape public perceptions of the past and how public perceptions of the past shape public history; appreciate the diverse areas of historical practice; enhance teamwork skills

**HIST 299 Historical Methods (3 Credit Hours)**

*Pre-requisites:* 12 hours in HIST

This course studies the ways historians arrive at their interpretation of events. This is accomplished through a history of historical writing or through a special selected topic that illustrates the use of different methods by past and present historians. Students are expected to take this course after completing their four introductory courses for the major.

*Outcomes:*

students will understand that history is not a set of facts but a discipline that depends on competing paradigms and the ongoing interpretation of primary sources

**HIST 300 Topics in History (3 Credit Hours)**

Special topics or new approaches of current interest to the instructor. They may be used, like all other 300-level courses, to fulfill the history major distribution requirements. The title of each Topics course, specifying date and/or area, will indicate which distribution requirement it fulfills within the history major. Students can take HIST 300 multiple times.

**HIST 300A Topics (3 Credit Hours)**

Special topics or new approaches of current interest to the instructor. This course counts as a 300-level history elective. Students may repeat the course for credit when the topic changes.

*Outcomes:*

Students will gain familiarity with the topic; the ability to make connections between secondary and primary sources; and the capacity to think critically about the ways that historians have approached major issues

**HIST 300B Topics in Premodern History (3 Credit Hours)**

Special topics or new approaches of current interest to the instructor.

This course may be used to fulfill the history major distribution requirement in 300-Level Pre-1700 European History or may count as a 300-Level history elective. Students may repeat the course for credit when the topic changes.

*Outcomes:*

Students will gain familiarity with the topic; the ability to make connections between secondary and primary sources; and the capacity to think critically about the ways that historians have approached major issues

**HIST 300C Topics in European History (Post-1700) (3 Credit Hours)**

Special topics or new approaches of current interest to the instructor.

This course may be used to fulfill the history major distribution requirement in 300-Level Post-1700 European History or may count as a 300-Level history elective. Students may repeat the course for credit when the topic changes.

*Interdisciplinary Option:* European Studies

*Outcomes:*

Students will gain familiarity with the topic; the ability to make connections between secondary and primary sources; and the capacity to think critically about the ways that historians have approached major issues

**HIST 300D Topics in U.S. History (3 Credit Hours)**

Special topics or new approaches of current interest to the instructor.

This course may be used to fulfill the history major distribution requirement in 300-level U.S. history or may count as a 300-level history elective. Students may repeat the course for credit when the topic changes.

*Outcomes:*

Students will gain familiarity with the topic; the ability to make connections between secondary and primary sources; and the capacity to think critically about the ways that historians have approached major issues

**HIST 300E Topics in World History (3 Credit Hours)**

Special topics or new approaches of current interest to the instructor.

This course may be used to fulfill the history major distribution requirement for a 300-level course in the history of Africa, Asia, Latin America, or the Middle East or may count as a 300-level history elective. Students may repeat the course for credit when the topic changes.

*Outcomes:*

Students will gain familiarity with the topic; the ability to make connections between secondary and primary sources; and the capacity to think critically about the ways that historians have approached major issues

**HIST 301 Plagues: The Black Death and Other Pandemics (3 Credit Hours)**

This course examines some of the worst pandemics ever to strike humanity, starting with the outbreaks of smallpox and bubonic in the final centuries of the Roman Empire, the devastating Black Death of the 14th century, and the diseases that destroyed the native Americans in the wake of Columbus's voyages.

*Interdisciplinary Option:* Bioethics

*Course equivalencies:* X-HIST301/ESP 304

*Outcomes:*

Students will gain an understanding of: the role of poverty, nutrition, and population in epidemics; state, church, or community responses to epidemics; how science has changed the history of disease

**HIST 302 History of Western Education (3 Credit Hours)**

History of Western Education. (ELPS 310)

*Course equivalencies:* X-ELPS301/HIST302

**HIST 303 Pre-Industrial City in Europe (3 Credit Hours)**

This course traces urban development from late antiquity to the early modern period.

*Interdisciplinary Option:* European Studies, Medieval Studies

*Course equivalencies:* X-HIST303/MSTU324

*Outcomes:*

Students will demonstrate an understanding of the origins and chronology of European town planning and development; and make comparisons with Islamic and Asian cities

**HIST 307 Greece to Alexander the Great (3 Credit Hours)**

This course explores ancient Greek history, society and culture, from the Bronze Age through the period of Classical Greece ending with Alexander and his empire.

*Interdisciplinary Option:* European Studies

*Course equivalencies:* X-CLST309/HIST307

*Outcomes:*

Students will be able to evaluate and interpret different types of sources critically and explain how these affect our understanding of the ancient Greeks

**HIST 308A History of Rome to Constantine (3 Credit Hours)**

This course surveys ancient Roman history, with a focus on Rome's conquest of the Mediterranean, the civil wars that ended the Roman Republic, the good and bad emperors of the Principate, and the conversion of Constantine to Christianity.

*Interdisciplinary Option:* Catholic Studies, European Studies

*Course equivalencies:* X-CLST308/HIST308/ROST308

*Outcomes:*

Students will understand the interrelationship among political, social, economic, and cultural developments and develop their research and writing skills

**HIST 308B Pompeii and Herculaneum (3 Credit Hours)**

The two best known Roman towns - Pompeii and Herculaneum - whose remains were preserved by the eruption of Mt. Vesuvius in 79 CE - will serve as a microcosm for understanding Roman society.

*Interdisciplinary Option:* European Studies, Italian Studies

*Course equivalencies:* HIST328/CLST328/ANTH328

*Outcomes:*

Students will gain an understanding of how recent archaeological discoveries have changed our view of Pompeii and Herculaneum and learn to "read" such things as dining and bathing rituals, gladiator games, and public and private architecture to gain insight into the structures of Roman social and cultural life

**HIST 308C History of Early Christianity (3 Credit Hours)**

This course examines the history of Christian communities and beliefs from their emergence in Jewish Palestine to the legalization of that religion in the Late Antique period. Students will gain familiarity with the diversity of early Christian belief, the interaction with the Roman imperial government, the evangelization and spread of Christianity both within the Roman Empire and outside it, the impact of Christianity on Roman social and family life, and the birth of monasticism.

*Interdisciplinary Option:* Catholic Studies

*Course equivalencies:* X-HIST309/CATH309

*Outcomes:*

Students will be able to evaluate the impact of discoveries such as the Dead Sea Scrolls and the Nag Hammadi library on the history of early Christianity; appreciate the extraordinary diversity of early Christianity; understand why Christianity was seen as a threat to Roman family life; improve their research, writing, and oral presentation skills; improve their critical reading skills of both secondary and primary sources

**HIST 308D Transformations of Rome in Late Antiquity (3 Credit Hours)**

This course focuses on the City of Rome itself from the third century up to the reign of Charlemagne. It demonstrates that this period was a time of gradual transformation and continuity. Both literary sources and the archaeology and epigraphy of the City shall be combined to show that barbarian invasions did not destroy the walls of Rome, and that the arrival of Christianity did not cause the fall of classical culture.

*Interdisciplinary Option:* European Studies, German Studies

*Course equivalencies:* HIST 339/CLST 318

*Outcomes:*

Students will be able to demonstrate an understanding of the working of historical mechanisms, evaluate and critically analyze this historical period

**HIST 309 Shipwreck Archaeology (3 Credit Hours)**

Students study how the technology of scuba diving combined with scientific archaeology has created a new discipline of shipwreck archaeology since the 1960s. They follow the history of the discipline and explore shipwrecks from Bronze Age Greece to nineteenth-century Chicago. They synthesize the research and conclusions of nautical archaeologists worldwide and organize those findings for presentation to a broader public in the coherent and imaginative form of their own Museum.

*Interdisciplinary Option:* Medieval Studies

*Course equivalencies:* XHIST324MSTU330ANTH347CLST324

*Outcomes:*

Students understand the importance of vessels conserved at Skuldelev, Lake Nemi and Uluburun for tracing the development of commerce and technology among the Vikings, the Romans, and the Syro-Palestinians of the Levant

**HIST 310 The Middle Ages (3 Credit Hours)**

This course examines European, Islamic and Byzantine society and culture in the Middle Ages.

*Interdisciplinary Option:* Catholic Studies, German Studies, Medieval Studies

*Course equivalencies:* X-HIST310/MSTU328/CATH310

*Outcomes:*

Students will learn of the Middle Ages, including relations between religious and political institutions; cultural developments; the rise of towns; reactions to the Black Death and the Hundred Years War

**HIST 310A Medieval World 1100-1500 (3 Credit Hours)**

This course examines European society and culture in the later Middle Ages.

*Interdisciplinary Option:* Catholic Studies, German Studies, Medieval Studies

*Course equivalencies:* HIST311/MSTU332/CATH311

*Outcomes:*

Students will demonstrate understanding of new forms of schools and learning; the origins of national monarchies; the crusades; chivalry; courtly love and the role of women; the rise of towns; church and state relations; the Black Death and the Hundred Years War

**HIST 310B Medieval Culture (3 Credit Hours)**

This course explores the three cultures of the Middle Ages - Islam, Byzantium, and Europe, with particular emphasis on art, music, and literature.

*Interdisciplinary Option:* Catholic Studies, German Studies

*Outcomes:*

students will understand how these cultures developed through shared roots, mutual influence, interaction and reaction; be able to interpret artistic expression and material culture in historical context; and gain skill in the analysis of primary sources

**HIST 310C Medieval Women (3 Credit Hours)**

This course explores the lives of medieval women from 500-1500 CE. While paying close attention to medieval ideas about gender and sexuality, students will examine experiences of medieval women from a range of backgrounds and social statuses as well as male and female roles in family life, religion, and politics.

*Interdisciplinary Option:* Medieval Studies, Women & Gender Studies

*Outcomes:*

Students will understand resources concerning medieval women while gaining appreciation for the need to challenge historical "master narratives" that frequently ignore or minimize the experiences and roles of women

**HIST 310D Medieval Popular Religion (3 Credit Hours)**

This course will explore the "lived" religious experience of medieval people through their actions, behaviors and artifacts. "Folk" (or pagan) survivals, pilgrimage, music and arts, devotion to saints, magical beliefs and practices, and attitudes to the natural/supernatural world[s] may be covered, depending on subtitle.

*Interdisciplinary Option:* Catholic Studies, Medieval Studies

*Outcomes:*

Students will appreciate the complex world view and agency of regular medieval people; they will acquire research skills and be able to critically assess primary and secondary source materials

**HIST 310F Medieval Inquisitions and Heresy (3 Credit Hours)**

This course examines the intriguing range of religious beliefs and practices in medieval Europe. Over the course of the semester, students will explore the criteria and processes by which local communities and translocal authorities defined heresy as well as the political interests and cultural assumptions that shaped labels and definitions.

*Interdisciplinary Option:* Medieval Studies

*Outcomes:*

Students will understand beliefs that shaped medieval religiosity, gain appreciation for roles played by heretics and inquisitions in premodern Europe, and look for similar phenomena in the modern world

**HIST 310G Supernatural in the Middle Ages (3 Credit Hours)**

Understanding the medieval supernatural leads to an appreciation of the richness of medieval society and intellectual culture. How were "natural" and "supernatural" defined across time and space, popular and elite cultures? How were ideas about the "supernatural" shaped by daily life, theology?

*Interdisciplinary Option:* Catholic Studies, European Studies, Medieval Studies

*Outcomes:*

Think historically about social and intellectual approaches to the supernatural; Assess arguments; interpret and contextualize primary sources; Develop research skills and ability to formulate questions

**HIST 310L Love and Violence in Medieval Culture and Society (3 Credit Hours)**

We will investigate the extent to which chivalric ideas controlled or encouraged aristocratic violence; the relationship between violence and courtliness; the extent to which chivalry threatened or strengthened royal government; and the influence of courtly love on gender.

*Interdisciplinary Option:* Medieval Studies, Women & Gender Studies

*Outcomes:*

Familiarity with medieval ideas about acceptable forms of violence; understand long-term influence of medieval ideas about love, sexuality, and violence; how to read and interpret medieval literary and social texts

**HIST 311B The Crusades: Christianity and Islam (3 Credit Hours)**

This course examines the origins and development of the Crusades and the Crusader States in the Islamic East. It will explore crusade ideology, political and military histories of crusades, compare Christian, Jewish, and Muslim perceptions of the crusading movement, and consider invocations of Jihad and Crusade into the modern era.

*Interdisciplinary Option:* Catholic Studies, European Studies, Interreligious and Interfaith Studies, Islamic World Studies, Medieval Studies

*Outcomes:*

Students will learn about the histories of the Crusades, the communities impacted by them, and historiographical debates on the topic; They will write papers using primary and secondary sources

**HIST 312 England to 1485 (3 Credit Hours)**

This course examines the history of medieval England, with an emphasis on its cultural history as manifested through written documents, material remains, art and music.

*Interdisciplinary Option:* Medieval Studies, Shakespeare Studies

*Course equivalencies:* X-HIST329/MSTU340

*Outcomes:*

Students will understand that English culture is an amalgamation of Anglo-Saxon and Norman-French culture, with influences from the Celtic and the Latin culture of Roman Catholicism; and will gain skill in the analysis of primary sources

**HIST 314 Renaissance (3 Credit Hours)**

This course examines the political and cultural life of Italy's five principal city-states (Rome, Florence, Venice, Milan and Naples) from the era of St. Francis and Dante until the sack of Rome in 1527.

*Interdisciplinary Option:* Catholic Studies, European Studies, Italian Studies, Medieval Studies, Shakespeare Studies

*Course equivalencies:* HIST314/MSTU336

*Outcomes:*

Students gain appreciation for the debate about a rebirth of ancient culture in the city-states of Italy; They acquire special cognizance of humanism as a historical phenomenon and the influence of humanism on education, politics, the visual arts and religion



**HIST 314A The Jesuits: Life and History (3 Credit Hours)**

This course examines the history of the Society of Jesus from its founding by Ignatius Loyola in the 16th century to its activities in the contemporary world.

*Interdisciplinary Option:* Catholic Studies, European Studies

*Course equivalencies:* X-HIST297/CATH297

*Outcomes:*

Students will gain a sense of the characteristics of Jesuit spirituality and the contribution of Jesuits to various fields of human endeavor such as evangelization, education, politics, literature, and the visual arts

**HIST 315 The Reformation (3 Credit Hours)**

This course examines the birth and progress of the Reformation in Europe from Luther's protest in 1517 to the conclusion of the Thirty Years War in 1648.

*Interdisciplinary Option:* Catholic Studies, European Studies, German Studies, Shakespeare Studies

*Course equivalencies:* X-HIST315/CATH316

*Outcomes:*

Students gain familiarity with the social, religious, intellectual, and political background of the Reformation; Luther's personal religious experience and his theological convictions; the Swiss Reformation of Zwingli and Calvin; the nature and spread of Calvinism; the elements of the Radical Reformation; and the efforts for Catholic Reform culminating at the Council of Trent

**HIST 316 History of Poland (3 Credit Hours)**

This course examines political, socioeconomic, and cultural developments in Poland since the first Polish state. Its major themes include: the consolidation of the Polish state; economic and political problems in the 17th Century; revolution and independence; World War II; Communist rule in Poland; and Solidarity.

*Interdisciplinary Option:* European Studies, European Studies, German Studies, Global Studies, Polish Studies, Shakespeare Studies, European Studies, European Studies, German Studies, Global Studies, Polish Studies, Shakespeare Studies

*Outcomes:*

Students will improve their analytical, quantitative synthetic, and critical cognitive skills; develop written and oral communications skills; and gain historical knowledge

**HIST 317 Age of Absolutism & the Enlightenment (3 Credit Hours)**

The course explores the period that leads directly into the French Revolution.

*Interdisciplinary Option:* European Studies

*Outcomes:*

Students gain an appreciation of the social and economic role of Western Europe in the world of the 17th and 18th centuries; the nature of classic absolutism as illustrated by the reign of Louis XIV of France; and the origin and evolution of Prussia and Austria as examples of enlightened absolutism

**HIST 318A Early Modern England 1485-1760 (3 Credit Hours)**

This course surveys the major political, social, economic, religious, and cultural developments in England under the Tudors, Stuarts and early Hanoverians (1485-1760).

*Interdisciplinary Option:* European Studies, Shakespeare Studies

*Outcomes:*

Students examine the complexities of the aftermath of the Wars of the Roses; the English Reformation; Elizabethan and Jacobean culture and society; the English Civil War and Glorious Revolution of 1688; the wars against Louis XIV; and the rise of England as a great power

**HIST 318B English Social History 1450-1750 (3 Credit Hours)**

This is a course in the social and cultural history of early-modern England. It focuses, in particular, upon the tension between how early modern English men and women saw their world (ordered, hierarchical, stable, divinely sanctioned) and what their world was actually like (disordered, socially mobile, unstable, secular).

*Interdisciplinary Option:* European Studies

*Outcomes:*

Students will gain an understanding of the best and most recent work in demography, iconography, family history, women's history, and the histories of material culture, popular culture, religion, education and crime, and be exposed both to a wide variety of historical methodologies as well as related fields such as anthropology and art history

**HIST 318C London 1550 - 1715 (3 Credit Hours)**

This interdisciplinary introduction to the history of London will assess the economic, political, social, and cultural reasons for the city's importance in British and world history.

*Interdisciplinary Option:* European Studies, Shakespeare Studies, Urban Studies

*Outcomes:*

Students will gain an understanding of how a variety of source materials can be used to develop an urban history of Great Britain's capital and apply this knowledge to enhance their own communication and critical thinking skills

**HIST 320 Era French Revolution & Napoleon (3 Credit Hours)**

This course analyzes the causes, meanings, and consequences of the French Revolution of 1789 by examining French society and culture from the age of absolutism to the end of Napoleon Bonaparte's empire.

*Interdisciplinary Option:* European Studies

*Outcomes:*

Students will gain an understanding of both the Revolution itself and its effects on the course of world history and become familiar with variety of analytic styles, such as narrative, political, economic, social, Marxist, and revisionist approaches to the history of the period

**HIST 321 19th Century European Culture and Ideas (3 Credit Hours)**

This course investigates the main currents of European thought and culture from the Romantic era to the fin de siècle. Using literary texts and music, as well as visual arts, we will study the major intellectual trends of the nineteenth century and attempt to determine their influence on European society.

*Interdisciplinary Option:* European Studies, German Studies

*Outcomes:*

By using their historical knowledge of nineteenth century Europe as a guide, students will develop critical thinking and communications skills about the art, music, and literature of the era

**HIST 322 Modern France: From Empire to Postcolonial Nation (3 Credit Hours)**

This course explores the cultural and political development of modern France as a nation and imperial power. It examines the formation of national identities; the discourse and practice of French nationalism and republicanism; and the forms of resistance and collaboration that shaped relations between citizens, state, colonized peoples, and empire.

*Interdisciplinary Option:* European Studies, Global Studies

*Course equivalencies:* X-HIST338/INTS338

*Outcomes:*

Students will understand how the development of French republicanism and Enlightenment thinking shaped nation and empire building in the 19th century but also influenced colonial resistance in the 20th century

**HIST 324 Italy 19th & 20th Centuries (3 Credit Hours)**

This course studies the major currents in Italy from the defeat of Napoleon to the present.

*Interdisciplinary Option:* European Studies, Global Studies, Italian American Studies, Italian Studies, European Studies, Global Studies, Italian American Studies, Italian Studies

*Course equivalencies:* HIST335/INTS335/ROST335

*Outcomes:*

Students explore the political, social, religious, economic and intellectual currents against the background of Italy's unification as a nation-state

**HIST 325 Modern Britain: Empire, Industry, Democracy (3 Credit Hours)**

This course examines political changes in Britain, economic and social causes and consequences of industrialization, and the changing position of Great Britain in Europe and the world.

*Interdisciplinary Option:* European Studies

*Outcomes:*

Students will demonstrate an understanding of the political process of democratization and the global affect of economic change on Britain as evidenced in the extension of voting rights, the growth of Empire, the creation of the Commonwealth and participation in the European Union

**HIST 325A The British Empire: From Barbados to Brexit (3 Credit Hours)**

This course examines the rise and decline of Britain's empire.

*Interdisciplinary Option:* European Studies, Global Studies

*Course equivalencies:* X-HIST332/INTS332

*Outcomes:*

Students will understand the different factors responsible for its growth; relationship of empire and British economic and political change; place of empire in the Victorian ethos; different imperial governing arrangements; growth of nationalism and movements for independence within the empire and commonwealth

**HIST 326 Ireland: Colony to Nation State (3 Credit Hours)**

This course traces the transformation of Britain's oldest colony into an independent nation between the seventeenth and twentieth centuries.

*Interdisciplinary Option:* European Studies, Global Studies

*Course equivalencies:* HIST333/INTS333

*Outcomes:*

Students will develop an understanding of how Irish nationalism shaped British and Irish history and use Ireland as a template to develop critical thinking and communications skills about the transformation of colonies into independent states

**HIST 327A The Balkans: History, Fiction, Film (3 Credit Hours)**

Covering southeast European areas once ruled by the Habsburg, Venetian, and Ottoman Empires, the course explores the following issues: the rise and fall of empires; nationalism and nation-formation; Communism and post-socialist transformations; popular culture and politics; and experiences of war, organized violence, and international intervention. Students will gain factual knowledge (terminology, trends, basic structures) of Balkan societies and develop advanced skills in speaking and writing about history

*Interdisciplinary Option:* European Studies, Global Studies, Islamic World Studies

**HIST 328 Russia Pre-1917: Empire Building (3 Credit Hours)**

This course examines how, by the middle of the 19th century, Russia emerged as the largest empire in the world.

*Interdisciplinary Option:* European Studies, European Studies

*Outcomes:*

Students will be able to explain how Russia survived the ravages of the Mongols under Chingis Khan, the reign of terror under Ivan the Terrible, westernization under Peter the Great; opened itself to new ideas under Catherine the Great, while it continued to preserve an oppressive institution of serfdom and remained a deeply divided society ready to explode in 1917

**HIST 328A Russian Empire and Literature (3 Credit Hours)**

This course examines a history of the Russian empire through the works of Russian literature. What Russian writers from Pushkin to Tolstoy can tell us about Russia and how a history of the Russian empire is crystallized in the works of fiction are among the issues addressed in this course. Course introduces students to the history of the Russian empire and classics of Russian literature. A historical and literary context will help students understand the predicament of contemporary Russia.

*Interdisciplinary Option:* European Studies

**HIST 329 Women's Sphere in Past Society (3 Credit Hours)**

This course examines comparative perspectives on feminism, sexuality, and women in the family and in public life in Europe 1700-present.

*Interdisciplinary Option:* Women & Gender Studies

*Course equivalencies:* X-HIST293/WOST256/WSGS256

*Outcomes:*

Students will demonstrate understanding of women's contributions to history, historian's perspectives on women in history, and the gendered definition of public and private spheres

**HIST 329C Empire, Sex, Violence: European Colonial History (3 Credit Hours)**

This course examines European colonialism in Africa and Asia. Topics include theories of imperial expansion; the rise of "scientific" racism; the role of class and gender in colonial ideologies; the relationship between ideas of "civilization" and colonial violence; the forces behind decolonization; and globalization in the post-colonial world. Students will know the political and socio-economic factors that shaped European imperialism in the nineteenth and twentieth centuries and understand the consequences of colonialism and decolonization on the world today.

*Interdisciplinary Option:* European Studies, Global Studies, Women & Gender Studies

**HIST 329N Modern European Nationalism: Myth and Reality (3 Credit Hours)**

The course will begin by tracing the origins and various forms of European nationalism, continue with the establishment of nation-states in Western and Eastern Europe, and end with a discussion of various national and ethnic issues that dominate European political and ideological discourse today.

*Interdisciplinary Option:* European Studies, Global Studies, Polish Studies

*Outcomes:*

Students will explore ways in which nationalism has affected relations between individuals, communities, and states in Europe; Students will assess nationalism's adaptability to diverse social, political, and cultural environments

**HIST 330 Europe in the Age of Catastrophe, 1900-1945 (3 Credit Hours)**

This course traces the origins of the two world wars in the first half of the twentieth century and assesses the cultural and political movements that transformed Europe and the west in those years.

*Interdisciplinary Option:* European Studies, German Studies, Global Studies

*Course equivalencies:* X-HIST325/INTS376

*Outcomes:*

Students will develop critical thinking and communications skills about how the contemporary world was shaped by the political, military, cultural, and social transformations in the first half of the twentieth century

**HIST 330F Fascinating Fascism: 1919 to the Present (3 Credit Hours)**

The recent emergence of populist nationalism in the western world has sparked a renewed interest in the political phenomenon of Fascism.

This course explores the rise and evolution of Fascist movements and regimes from early twentieth century to the present. Students will learn about the characteristics of Fascist movements, the circumstances that brought some of them to power, and the factors that shaped the behavior of Fascist Regimes.

*Interdisciplinary Option:* European Studies, Global Studies

**HIST 331A Food, Hunger, and Power in the Modern World (3 Credit Hours)**

This course explores how conflicts over food shaped the modern world. We compare shifting interpretations of famine (in Ireland, India, and Ethiopia), and explore how food became a "weapon of war" during the World Wars. Finally, the course analyzes how race, gender, and class shaped American food and welfare policies.); Students will develop skills in analytically interpreting both primary and secondary sources; Students will have engaged in independent research with both primary and secondary sources to complete a historical research project; Students will understand how race and gender have shaped and been shaped by the modern food system.

*Interdisciplinary Option:* Bioethics, European Studies, Global Studies, Women & Gender Studies

*Outcomes:*

Students will have developed an awareness of the biological, political, social, cultural, and economic meanings of food in modern societies; Students will have gained exposure to different methodological approaches to studying food and hunger (anthropology, economics, sociology, psychology, gender studies etc)

**HIST 334A The Nazi Revolution (3 Credit Hours)**

The course will deal with the causes, main features and consequences of the Nazi movement in Germany and Europe from 1919 to 1945.

*Interdisciplinary Option:* European Studies, German Studies

*Outcomes:*

The students explore the origins of Nazism and the reasons for Hitler's success; Students appreciate the elements of "Nazi culture," the nature of Nazi rule in the 1930s, Nazi foreign policy and aggression in the 1930s, and World War II; They acquire a sense of the Nazi movement as a phenomenon growing out of unique German circumstances as well as one reflecting the larger context of modern western history

**HIST 334B The Holocaust: History and Memory (3 Credit Hours)**

This course explores a defining event of modernity, the genocide of Europe's Jews, by exploring Nazi actions, victims' varied experiences, and international reactions. We will also tackle questions like: Was the Holocaust unique? What does it mean to be a "bystander"? What are the politics of memory and commemoration?

*Interdisciplinary Option:* European Studies, Global Studies, Peace, Justice, and Conflict Studies, Polish Studies

*Course equivalencies:* X-HIST304/PAX 304

*Outcomes:*

Students acquire a sense of the causes, processes and implications of recent genocide; They are challenged to develop the outlines of a theory for predicting when genocide is likely to occur and to provide a clear definition of the term; Most importantly, they articulate from the historical data ways to prevent genocide

**HIST 335 The Second World War (3 Credit Hours)**

The course examines the history of the war from its origins to the destruction of the Axis powers and the onset of the Cold War.

*Interdisciplinary Option:* European Studies, German Studies, Global Studies, Polish Studies

*Course equivalencies:* X-HIST326/INTS328/PAX 326

*Outcomes:*

Students will understand the interrelationship among political, social, economic, military, and diplomatic developments as demonstrated in the events of the Holocaust, the spread of nationalism, and the origins of the Cold War

**HIST 336 Contemporary Europe 1945 to Present (3 Credit Hours)**

This course examines the postwar world, the movement toward European integration; the tensions between East and West; problems and proposed solutions in contemporary Europe, as well as responses to these issues made by intellectual and cultural leaders of the modern age.

*Interdisciplinary Option:* European Studies, German Studies, Global Studies, Polish Studies

*Course equivalencies:* X-HIST327/INTS327

*Outcomes:*

Students will understand the process of European integration, including the effects of the Cold War on Europe, the challenges of the re-unification of Germany, the integration of ten Central European nations into the European Union, and cultural reactions to these developments

**HIST 337 Rise & Fall of Soviet Union (3 Credit Hours)**

This course will cover such issues as the Revolution and Civil War, Stalin's repression, victories in World War II, the years of stagnation, Soviet society, its institutions and culture.

*Interdisciplinary Option:* European Studies, Global Studies, Polish Studies

*Course equivalencies:* X-HIST341/INTS392

*Outcomes:*

Students will be able to explain how the Russian Socialist revolution came into being, what kind of society it sought to create, and how this new society, the Soviet Union, developed and finally dissolved in 1991

**HIST 337A Women in Russia and Eurasia, 1860-Present (3 Credit Hours)**

This course surveys the experiences of women in the late Russian empire, the Soviet Union, and the states that now comprise the region. In particular, we will examine the ways in which writers, filmmakers, and activists of the 19th, 20th, and 21st centuries have addressed the 'woman question.'

*Interdisciplinary Option:* European Studies, Global Studies, Women & Gender Studies

*Outcomes:*

Students will gain understanding of key concepts related to women's history in Russia; they will produce written and oral commentaries on the texts and issues studied in class

**HIST 338A History of European Communism (3 Credit Hours)**

In this course students will study the history of European Communism from its inception. The success that this ideology enjoyed among European societies makes it necessary to study this phenomenon in detail. The course will begin by tracing the origins of Communism and end with a discussion of its downfall.

*Interdisciplinary Option:* European Studies, German Studies, Global Studies

*Outcomes:*

Improved cognitive skills and communications skills; Enhanced historical knowledge

**HIST 338B Eastern Europe in the 20th Century (3 Credit Hours)**

This course offers a historical survey and analysis of the processes of political, social, cultural, and economic change that affected Eastern Europe in the twentieth century. The course will begin with the break-up of multi-national empires in Eastern Europe and end with the collapse of communism.

*Interdisciplinary Option:* European Studies, Global Studies

*Outcomes:*

Improved cognitive skills and communications skills; Enhanced historical knowledge

**HIST 339C Modern Europe and the Arts (3 Credit Hours)**

This course takes advantage of Chicago's access to one of the most important collections of modern European art in the world. The Art Institute of Chicago offers masterpieces representing every major aesthetic movement in Western history. Full appreciation of these treasures involves recognizing the historical circumstances that surrounded their creation and considering the ideas their creators intended to communicate.

*Interdisciplinary Option:* European Studies, Global Studies

*Course equivalencies:* X-HIST305/INTS305A

*Outcomes:*

Students will better appreciate the great works themselves and learn from them about major developments in modern European social, political, and cultural history

**HIST 339F History of Feminist Thought and Social Action (3 Credit Hours)**

This course focuses on the history and development of feminist thought and activism since the late eighteenth century. Attention goes beyond just U.S. and European feminist history, exploring Indigenous, Black, and postcolonial feminism to investigate their unique feminist ideas and the challenges they pose to "traditional" feminist thought and action.

*Interdisciplinary Option:* Women & Gender Studies

*Course equivalencies:* X - WSGS 330 / HIST 339F

*Outcomes:*

Students will learn to identify key concepts, thinkers, activists; analyze and critique some of the major works; and develop an integrated understanding of the history of feminist thought, broadly conceived

**HIST 340B Introduction to Islamic History (3 Credit Hours)**

This course focuses on the early and medieval history of the states, societies, and cultures of the Middle East from the prophetic mission until the fall of the 'Abbasid empire in 1258.

*Interdisciplinary Option:* Islamic World Studies, Medieval Studies

*Course equivalencies:* X-HIST312/IWS312

*Outcomes:*

Students will demonstrate an understanding of the impact of Islam as a religious and cultural phenomenon and be able to analyze historically the Quran as well as primary sources from jurisprudence, philosophy, ethics, and historiography

**HIST 341 Modern Middle East (3 Credit Hours)**

This course surveys the modern Middle East, with a focus on the Arab world.

*Interdisciplinary Option:* Arabic Language and Culture, Global Studies, Islamic World Studies

*Course equivalencies:* X-HIST313/INTS313/IWS313

*Outcomes:*

Students will demonstrate an understanding of the Ottoman background; the age of imperialism; and the 20th century, and be able to approach the period from an anthropological as well as historical perspective

**HIST 341B Arab-Israeli Conflict (3 Credit Hours)**

This course explores the history of the Arab-Israeli conflict since the beginnings of the immigration of the East Europeans and Russian Jews to Ottoman Palestine in the late 19th century.

*Interdisciplinary Option:* Global Studies, Islamic World Studies, Peace, Justice, and Conflict Studies

*Course equivalencies:* HIST322/INTS322/PAX 322/IWS322

*Outcomes:*

Students will gain understanding of national Zionism in Europe; Ottoman and British Palestine; the declaration of the state of Israel; the Palestinian refugee problem; the Arab-Israeli wars; the Camp David agreement and recent peace talks and their aftermath



**HIST 341C Tunisia On-Site: Arab Spring, Democratic Change, Islam (3 Credit Hours)**

A combination of site visits, lectures, and group discussions throughout Tunisia provides a unique experiential understanding of the relationship between the Arab spring, democratic change, Islam, gender relations, and U.S. foreign policy amidst the historical inheritances of the Carthaginian, Roman, Islamic, and French empires in North Africa.

*Interdisciplinary Option:* African Studies and the African Diaspora, Arabic Language and Culture, Global Studies, Islamic World Studies, Women & Gender Studies

*Course equivalencies:* X-PLSC 399/HIST 313T

*Outcomes:*

Experientially based knowledge of the politics, society, culture, history, and international relations of a country (Tunisia) in a region (North Africa) at the intersection of Africa and the Middle East

**HIST 342A African History to 1600 (3 Credit Hours)**

This course traces the history of the African continent to 1600.

*Interdisciplinary Option:* African Studies and the African Diaspora

*Course equivalencies:* X-HIST350/BWS 386/INTS378

*Outcomes:*

students will demonstrate understanding of the development and diversity of political, economic, ecological, cultural and religious forces in Africa, as well as the relationship between Africa and other world areas

**HIST 342B African History Post-1600 (3 Credit Hours)**

This course traces the history of the African continent from 1600 to the present, i.e., from the tumult of the slave trade through Africa's resistance to European imperialism and colonialism, and its eventual emergence as an independent continent.

*Interdisciplinary Option:* African Studies and the African Diaspora, Global Studies, Islamic World Studies

*Course equivalencies:* X-HIST351/BWS 387/INTS351

*Outcomes:*

Students will appreciate the legacies of colonialism and place the contemporary problems of independence in historical perspective

**HIST 342C The History of Islam in Africa (3 Credit Hours)**

This course examines the development of Islam in Africa, including issues such as Islamic mysticism, eschatology, and state formation.

*Interdisciplinary Option:* African Studies and the African Diaspora, Islamic World Studies

*Course equivalencies:* X-HIST349/BWS300/IWS349

*Outcomes:*

Students will gain an understanding of how and when Islam entered Africa and how the religion shaped African societies prior to the colonial period

**HIST 342D African Diaspora in the Middle East and South Asia (3 Credit Hours)**

The purpose of this course is to explore the African Diaspora as it pertains to the Middle East and South Asia. Issues such as the concept of slavery in Islam, and identity preservation will be treated throughout the course of the semester. Emphasis will be placed on the role Black Africans such as Antara ibn Shadad, Malik Kafur, and Malik Ambar, just to name a few, played in the formation and crystallization of Middle Eastern and South Asian states, kingdoms and empires.

*Interdisciplinary Option:* African Studies and the African Diaspora

**HIST 342M African Music's Influence on American Music (3 Credit Hours)**

This historically-based exploration will analyze the role that African music from the continent played in shaping and forming such American musical forms as the Blues, Jazz, Rock and Roll, Soul Music, and Hip-Hop. The course begins in 15th century West Africa, and ends in the late 20th century American milieu.

*Interdisciplinary Option:* African Studies and the African Diaspora, Global Studies

*Outcomes:*

Students will demonstrate understanding of the development and diversity of African, as well as the influence of African music on American culture

**HIST 343 Modern South Asia (3 Credit Hours)**

This course will examine the modern history of South Asia. It will explore the history of South Asia with a thematic and chronological approach.

Important subjects to be examined include: early modern state formation, colonial forms of knowledge, religious identity, gender and class relations, and the political economy in the early modern and colonial state.

*Interdisciplinary Option:* Asian Studies, Global Studies, Islamic World Studies, Asian Studies, Global Studies, Islamic World Studies

*Outcomes:*

Students will enhance their written and oral communication skills; improve their critical thinking skills and improve their ability to engage in historical analysis

**HIST 345A Traditional China from Antiquity to 1550 (3 Credit Hours)**

This course will trace Chinese history from the origins of classical Chinese civilization in the Shang and Zhou periods to the evolution of an agrarian society under the imperial state.

*Interdisciplinary Option:* Asian Studies, Chinese Language & Culture, Asian Studies, Chinese Language & Culture

*Course equivalencies:* X-HIST342/ASIA341

*Outcomes:*

Students will gain an understanding of how domination by aristocratic lineage gave way to the Confucian state and society based on peasant farming; and how a bureaucratic and autocratic polity existed in symbiosis with a socioeconomic elite that maintained itself through the dominance of the agrarian economy as well as through increasing access to the sources of commerce and trade

**HIST 346A Early Modern China: 1550-1800 (3 Credit Hours)**

This course studies early modern Chinese society, economy, and the state from ca. 1550 to 1800, a period which marked the culmination of the development of the centralized, bureaucratic, imperial state and exhibited significant innovations in economic structure and activity. Students will be able to describe the pressure of unprecedented demographic growth, and explain how the society began to experience many of the problems that continue. They will be able to analyze China's failure to build on its earlier economic and technological successes by exploring intellectual life and its relation to scientific and technological innovation.

*Interdisciplinary Option:* Asian Studies, Chinese Language & Culture

*Course equivalencies:* X-HIST344/ASIA344/INTS371

**HIST 346B Reform & Revolution in China, 1800-1949 (3 Credit Hours)**

This course explores China's attempt to adjust to the complex transformations in its economy, society, politics and intellectual life initiated during the early modern period and transfigured into crisis proportions by unchecked demographic growth. These challenges were heightened and made more acute by the often hostile encounter with first the West and then Japan through the end of World War II.

*Interdisciplinary Option:* Asian Studies, Chinese Language & Culture, Global Studies

*Course equivalencies:* X-HIST345/ASIA345/INTS372

*Outcomes:*

Students will be able to describe and assess the numerous evolutionary and revolutionary strategies for change during the period in China under discussion

**HIST 346C History of Christianity in China (3 Credit Hours)**

The course will cover the encounter between China and Christianity, from 7th century Nestorian monks, 12th century Franciscan Missions, 16th century Jesuit missionaries, Christianity in the period of Western imperialism, the expulsion of Western missionaries after the 1949 Communist revolution, and the formation of underground churches. Develop critical, writing, and research skills. Deepen understanding of Christianity as a world religion, the history of China, Christianity in China, and historical ties between China and The West.

*Interdisciplinary Option:* Asian Studies, Catholic Studies, Chinese Language & Culture, Global Studies

**HIST 347A China Since 1949: The People's Republic (3 Credit Hours)**

This course examines the attempt to create and foster the growth of a socialist state and society in China under the Chinese Communist Party, with attention to the steady transformation of society, the economy, and political life since 1949.

*Interdisciplinary Option:* Asian Studies, Chinese Language & Culture, Global Studies

*Course equivalencies:* X-HIST346/ASIA346/INTS373

*Outcomes:*

Students will be able to assess the major convulsive episodes such as land reform, the Great Leap Forward, the Great Proletarian Cultural Revolution, the Four Modernizations, and the impact and legacy of Mao Zedong

**HIST 347C Cultural Revolution-China (3 Credit Hours)**

The Great Proletarian Cultural Revolution (1966-1976) was a watershed in China's modern history. Over the course of a decade, Mao summoned the populace to battle "bourgeoisie" of the state by attacking various parts of the social, cultural and political structure.

*Interdisciplinary Option:* Asian Studies, Chinese Language & Culture, Global Studies

*Course equivalencies:* X-HIST346B/ASIA346B/INTS346B

*Outcomes:*

Students will examine the Cultural Revolution from the perspectives of political, social, and cultural history, utilizing memoirs, oral histories, documentary and dramatized films, primary documents written by China's party leaders, and scholarly writings; come to understand these events not solely from the hindsight of post-reform China, but from the perspective of the times during which these events unfolded; and develop their own understandings of what these years meant for the shaping of modern China's state, economy, institutions, and citizens

**HIST 347D Modern Chinese History through Film (3 Credit Hours)**

This course presents Chinese modern History through the lens of feature films and documentaries. Through a chronological approach, it focuses on the period from the Opium Wars to the present. It discusses political struggles, economic shifts, the encounter with Western Imperialism, the birth of Communist China, the shift to a market economy; it focuses on issues of war, gender, society, rural versus urban, and the environment. Acquire a non-Western Historical perspective; understand diversity in the World; be conversant in modern Chinese History; connect those notions to the historical development of the West; understand film theory and practice.

*Interdisciplinary Option:* Asian Studies, Chinese Language & Culture, Film & Digital Media Studies, Global Studies, International Film & Media Studies

**HIST 349 Contemporary Global Issues: Historical Perspectives (3 Credit Hours)**

This course will introduce students to important contemporary issues such as globalization, resurgent ethnic and religious strife, racism, imperialism, and the crisis of the nation state, among others. Both thematic and chronological approaches will be employed in examining selected world regions.

*Interdisciplinary Option:* Global Studies, Global Studies

*Course equivalencies:* HIST299BCDE/INTS298

*Outcomes:*

Students will be able to demonstrate an understanding of the way history shapes pressing issues in the contemporary world, the way a historical approach helps make sense of these same issues, and the value of comparative study and analysis across time and place

**HIST 349A Women in East Asia (3 Credit Hours)**

This course studies the lives of Asian women in China, Japan, and Korea from early modern times to the present by examining changing roles of women and how these changes have come about.

*Interdisciplinary Option:* Asian Studies, Global Studies, Japanese Language and Culture, Women & Gender Studies

*Course equivalencies:* X-HIST296/ASIA296/INTS296/WOST

*Outcomes:*

Students will be able to explain how life reflects law in the political, social, economic and cultural history of Asian women; how imperialism and war have affected women; how women have effected change

**HIST 350 Colonial Latin America (3 Credit Hours)**

This course will introduce students to the major themes in the colonial history of the region known today as Latin America from conquest to independence.

*Interdisciplinary Option:* Latin American Studies

*Course equivalencies:* X-HIST352/LASP350

*Outcomes:*

Students will be able to demonstrate an understanding of the following broad themes: the nature and difficulties of colonial rule in culturally diverse societies; the different ways in which individuals from all walks of life fared in the colonies; and the role that religion and the church played in everyday life

**HIST 351 Latin American Independence, 1750-1830 (3 Credit Hours)**

This course examines independence movements and wars in the region known today as Latin America. Course readings and lectures will explore the impact of the Enlightenment on Bourbon Spain and Spanish America, new movements toward free trade, friction between the church and state, and crown policies toward indigenous peoples.

*Interdisciplinary Option:* Latin American Studies

*Course equivalencies:* X-HIST353/LASP351

*Outcomes:*

Students will be able to demonstrate an understanding of the basic contours of independence movements in Latin America

**HIST 352 Latin America in the 19th Century (3 Credit Hours)**

This is a survey course that introduces students to the history of Latin America during the nineteenth century through two: 1) Nation Formation: 1780s-1850s and 2) Liberal Reforms and Progress: 1850s-1910.

*Interdisciplinary Option:* Latin American Studies

*Course equivalencies:* X-HIST354/LASP352

*Outcomes:*

Students will demonstrate an understanding of the persistence of political instability, the problems of economic development, and elite and popular perceptions of race, class, and gender; Students will also be able to draw comparisons between different Latin American experiences

**HIST 353 Latin America in Recent Times (3 Credit Hours)**

This course examines major political, cultural and socio-economic developments in Latin America from the twentieth century to today. Topics to be covered include nationalism and revolution, military dictatorship and state oppression, and hemispheric relations.

*Interdisciplinary Option:* Global Studies, Latin American Studies

*Course equivalencies:* X-HIST355/INTS389/LASP353

*Outcomes:*

Students will be able to demonstrate a broad understanding of the impetus behind the following events and themes: the Mexican Revolution of 1910; Castro and the Cuban Revolution; Peronism; Dirty Wars in Chile, Argentina and Central America; Cold War politics and CIA operations; and the current Drug War in Colombia

**HIST 355 The Caribbean & Central America in Colonial/Modern Times (3 Credit Hours)**

This course examines the Caribbean and Central America from European conquest and colonization to the present day.

*Interdisciplinary Option:* Global Studies, Latin American Studies

*Course equivalencies:* X-HIST356/INTS380/LASP354

*Outcomes:*

Students will demonstrate an understanding of the significance of the Caribbean and Central America region in world, but especially US, politics since the nineteenth century and increasingly during the Cold War; Students will demonstrate an ability to draw comparisons and contrasts between nations in these regions, especially as they relate to the rest of Latin America and the United States

**HIST 356 Mexican History-Ancient to Modern Times (3 Credit Hours)**

This course will introduce students to the major themes in Mexican history from pre-Columbian to contemporary times based on three historical periods: Early Mexico, the Nineteenth Century, and Recent Mexico.

*Interdisciplinary Option:* Global Studies, Latin American Studies

*Course equivalencies:* X-HIST357/INTS379/LASP355

*Outcomes:*

Students will be able to demonstrate an ability to draw on the major themes in Mexico history as they relate to the Aztec empire, Spanish conquest and colonialism, independence, modernization, revolution, and democratization

**HIST 357 The Mexican Revolution in Popular Imagination (3 Credit Hours)**

This course explores debates about the Mexican Revolution (1910-1917) by analyzing its interpretation in scholarship and its representations in memoir, fiction, art and film.

*Interdisciplinary Option:* Global Studies, Latin American Studies

*Outcomes:*

Students will demonstrate an understanding of the Mexican Revolution as an event and as a myth in history and popular culture

**HIST 358 Women in Latin American History (3 Credit Hours)**

This course introduces students to the life experiences of women in Latin America through history, film, oral history, and their personal narratives.

*Interdisciplinary Option:* Global Studies, Latin American Studies, Women & Gender Studies

*Course equivalencies:* HIS358/INT368/LASP299/WSGS385

*Outcomes:*

Students will demonstrate an understanding of the way notions of femininity have been constructed and have changed over time throughout Latin American history, the various and sometimes subtle ways that women have empowered themselves, and the more overt politicization of women since the mid-twentieth century

**HIST 359 Teaching World History (3 Credit Hours)**

This course focuses on pedagogical approaches, curricular analysis, and methodological developments in the field of World (or Global) history. Students will become familiar with world history by developing a syllabus for a course they may teach in the future at the high school or college level.

*Interdisciplinary Option:* Global Studies

**HIST 359C Nationalist Politics: A Global Perspective (3 Credit Hours)**

The course traces the origins and different forms of nationalism, discussing the establishment of nation-states in Europe and the escalation of nationalist conflicts across the globe, from the Balkans to the Middle East to Latin America. It explores how nationalism affected relations between states and various populations and ethnic communities. Students will acquire factual knowledge (terminology, classification, structures) and theoretical frameworks (methods and debates) about the origins and global spread of nationalism.

*Interdisciplinary Option:* European Studies, Global Studies

**HIST 359D The Ottoman Empire: A Global Perspective (3 Credit Hours)**

The main themes of the course include rise and development of the Ottoman Empire; relations between Muslims, Jews, Christians, and other communities; the practices of inclusion and exclusion along class, gender, and ethno-religious lines; the rise of nationalism; experiences of violence and war; and imperial legacies in post-Ottoman states.

*Interdisciplinary Option:* European Studies, Interreligious and Interfaith Studies, Islamic World Studies

*Outcomes:*

Gain factual knowledge; Learn to analyze different ideas and texts

**HIST 359E Concentration Camps: A Global History (3 Credit Hours)**

This course explores the underlying logic of extrajudicial encampment from the camps of 19th-century colonialism to the Soviet Gulag, Nazi death camps, and more contemporary detention centers for refugees and political prisoners. Why have modern states - across the ideological spectrum - made use of camps against real and perceived enemies? Students will understand the underlying political, racial, and economic motives that lead to concentration camps. A transnational approach will help students contextualize specific camp regimes within a larger global history.

*Interdisciplinary Option:* European Studies

**HIST 359F Genocides in the Modern World (3 Credit Hours)**

This class evaluates the motives and circumstances of global genocides and uncovers the experiences of those targeted by genocidal violence. The course will range widely from settler colonial violence in the Americas to the Armenian Genocide, the Holocaust, the Khmer Rouge, Rwanda, ISIL, and beyond.

*Interdisciplinary Option:* Global Studies, Race and Ethnicity

*Outcomes:*

Students will compare and contrast global genocides across space and time, evaluate the configurations of twentieth-century politics that have generated multiple genocides, and hone critical reading and writing skills

**HIST 359H Anti-Colonial Resistance in the Twentieth Century (3 Credit Hours)**

This course will explore the end of modern colonialism and the emergence of nation-states in Africa and Asia: one of the most significant transformations in modern history. It will consider how imperial agents justified their subjugation of colonized peoples and how colonial objects came to resist and end colonial rule. Students will learn about theoretical, political, and historical explanations about the processes of resistance and decolonization. Further, they will develop critical analysis skills and historical knowledge.

*Interdisciplinary Option:* Asian Studies, Global Studies, Islamic World Studies

**HIST 360 Community and Culture in Colonial America (3 Credit Hours)**

This course covers the story of America's colonial past from its origins in the Atlantic world of the 16th century through its contact and conflicts with Native American peoples.

*Outcomes:*

Students will demonstrate an understanding of the process of colonial settlement, colonial labor and economic patterns, trans-Atlantic immigration, Colonial Wars of Empire and the conquest of native lands

**HIST 360A Slavery and Abolition: Then & Now (3 Credit Hours)**

This course will first examine the history of slavery in the ancient and medieval eras, but is devoted mainly to the rise and maturation of slavery and slave trading in the Atlantic world (ca. 1500-1865). The last third of the class charts the resurgence of post-abolition slavery.

*Interdisciplinary Option:* Race and Ethnicity

*Outcomes:*

Students will learn about slavery past and present to fashion a moral philosophy of human freedom that can make a world without slavery a reality

**HIST 361 The American Revolution, 1763-1815 (3 Credit Hours)**

When British colonists in North America declared themselves independent from the British Crown in 1776, they affected the most successful revolution in modern history. This course covers the antecedents and outcomes of their actions from the Seven Years War through the American Revolution to the War of 1812.

*Outcomes:*

Students will demonstrate an understanding of the origins, actions and significance of the American Revolution; the development of the United States Constitution; and the development of the nation up the War of 1812

**HIST 362 America in the Age of Slavery and Capitalism (3 Credit Hours)**

This course covers United States social, cultural, economic, and political development during the first half of the nineteenth century.

*Outcomes:*

Students will demonstrate an understanding of how Modern America was built between 1800 and 1850 through the study of urban development, immigration, gender history, educational developments, wars of expansion, and the growth of a democratic society

**HIST 363 Civil War & Reconstruction 1850-1877 (3 Credit Hours)**

This course covers the crisis of the Union from the Compromise of 1850 through the Civil War and the era of Reconstruction.

*Interdisciplinary Option:* African Studies and the African Diaspora

*Course equivalencies:* X-HIST363/BWS 363

*Outcomes:*

Students will demonstrate an understanding of the institution of slavery, the rise of abolitionist sentiment, the failure of democratic political institutions, the military history of the war, its cultural impact on the nation, and the struggle for racial justice in the Reconstruction era

**HIST 366A World War I and American Culture (3 Credit Hours)**

Although World War I's impact on America paled in comparison to that of the European combatants, the wartime experiences affected the nation's economic, political, and cultural life for the remainder of the twentieth century. This course examines America's World War I experience and explores its legacy.

*Outcomes:*

Students will understand how the United States underwent the transformation from a relatively minor player on the international scene to an international presence, how those living through these years experienced social, cultural, economic, and political challenges associated with American life in the twentieth century; and how the roads taken and not taken during this period have shaped the options available to us today

**HIST 367 United States from Great Depression to Recession (3 Credit Hours)**

This course focuses on American history from 1929 to the present, a period of economic turmoil, domestic reform, and international engagement.

*Interdisciplinary Option:* Sociolegal Studies

*Outcomes:*

Students will demonstrate historical knowledge of the politics and government of the United States since the start of the Great Depression and develop critical thinking and communication skills

**HIST 369 20th Century Popular Culture (3 Credit Hours)**

This course examines the social and cultural patterns of twentieth century life as revealed in popular novels, vaudeville, movies, music, nightlife, and advertising.

*Outcomes:*

Students will be able to demonstrate historical knowledge of American traditions of success, family, home, consumption and culture, to draw links between gender and social life, and to develop critical thinking and communication skills

**HIST 370 American Business, Wealth, and Inequality (3 Credit Hours)**

Beginning with colonization and extending to the 2000s global expansion of Starbucks, this course outlines the history of American business, wealth, and the attendant inequality by exploring the interplay between business, labor, politics, and culture.

*Interdisciplinary Option:* Sociolegal Studies, Sociolegal Studies

*Outcomes:*

Students will improve their written communication skills; develop their critical thinking skills; and learn how to execute historical analysis



**HIST 372 American Constitutional & Legal History to 1865 (3 Credit Hours)**

This course focuses on the constitutional and legal history of the U. S. from colonial times to the end of the Civil War.

*Outcomes:*

Students will be able to demonstrate historical knowledge of American legal traditions of common law, federalism, and civil liberties, to draw links between social and legal change; to evaluate US Supreme Court decisions, and to develop critical thinking and communication skills

**HIST 373 US Law & Public Policy (3 Credit Hours)**

This course focuses on the constitutional, legal, & public policy history of the U. S. from the end of the Civil War to the twenty-first century

*Interdisciplinary Option:* Sociolegal Studies

*Outcomes:*

Students will demonstrate knowledge of American legal traditions of federalism, civil rights, criminal justice, and civil liberties; understand social, legal, & policy changes; and evaluate US Supreme Court decisions

**HIST 373A Crime and Punishment (3 Credit Hours)**

This course examines how notions of crime and punishment have evolved between the nineteenth and twentieth centuries (with the early modern period serving as a backdrop).

*Interdisciplinary Option:* Sociolegal Studies

*Course equivalencies:* X-HIST373A/CRMJ345

*Outcomes:*

Students will be able to draw conclusions on what precisely caused the shifts in punishment, with attention to such things as the professionalization of the judiciary, industrialization and urbanization, the American Civil War, and Constitutional changes; Students will also gain an understanding of sociological and anthropological approaches to this topic

**HIST 374 Black Politics (3 Credit Hours)**

This course will present a general overview of black politics in America, including the major black political ideologies and their theoretical underpinnings and the role of race in urban politics in the late twentieth and early twenty-first centuries.

*Interdisciplinary Option:* African Studies and the African Diaspora, Race and Ethnicity, African Studies and the African Diaspora, Race and Ethnicity

*Course equivalencies:* X-HIST374/PLSC393/BWS374

*Outcomes:*

Students will gain an understanding of how the circumstances of Reconstruction shaped black political ideologies; how blacks came into political power in major urban centers; and what the contours of debate are in the black community over provocative issues such as the criminal justice system, affirmative action, reparations, and education

**HIST 375 Digital History (3 Credit Hours)**

Digital resources make primary source material available while database, mapping, and text-mining applications allow us to ask new types of research questions. Digital history is more than just gaining familiarity with digital resources, applications, and platforms; it is about understanding how using these tools has changed the way we study history.

*Course equivalencies:* X-HIST375/LASP375/INTS375A

*Outcomes:*

Gain an introductory technical knowledge of digital tools or methods; Learn to apply technical knowledge about digital history tools to historical questions; Acquire experience managing and creating a team-based digital humanities

**HIST 376 History of the American Frontier Movement (3 Credit Hours)**

This course will cover the process of frontier expansion in American history.

*Outcomes:*

Students will understand the frontier as a social process that was part of the American experience from its earliest colonial origins to the end of the nineteenth century; Students will also understand the frontier as a place in the western United States where Americans engaged in cooperation, conflict, and conquest with native peoples, Mexicans, and Asians

**HIST 376A History of the American Indian (3 Credit Hours)**

This course is a survey of the history of American Indians, including the variety of Pre-Columbian societies, the encounter between Indians and European settlers, the impact of Eurasian diseases, American Indians' fight to avoid removal from their homelands, and the resurgence of Indians as sovereign peoples.

*Outcomes:*

The student is to emerge from the course with an enhanced ability to appreciate the unique cultures and experiences of American Indians; appreciate the many and important ways in which Indian peoples have changed and adapted over time; and understand the religious, racial, and cultural values that motivated European-American policies toward American Indians

**HIST 377 African American Women's History (3 Credit Hours)**

Course deepens students' understanding of African American History by emphasizing African American women's leadership, intellectualism, challenges, and social impact. Covering multiple eras from slavery, the civil rights movement to the present-day and difficult topics (including sexual assault), the course examines the diverse experiences of historically marginalized black women.

*Interdisciplinary Option:* Women & Gender Studies, Women & Gender Studies

*Outcomes:*

Students become familiar with multiple important African American historical figures; increase their understanding of intersectionality (race, gender, sexuality, class) in American history; and gain essential research skills

**HIST 378 Latina/o History (3 Credit Hours)**

This course introduces the history of Latinos in the United States from the Spanish Colonial period to the present.

*Interdisciplinary Option:* Latin American Studies, Race and Ethnicity

*Course equivalencies:* X-HIST378/LASP378

*Outcomes:*

students will develop a greater appreciation and understanding of the important roles played by Latino men and women in U.S. society; the heterogeneity of the Latina/o population, including generational, regional, class, and gender divisions; and the formation of transnational immigrant communities

**HIST 379A Italian Americans in World War II (3 Credit Hours)**

The impact of World War II on Italian-Americans and their roles in the war effort. Topics include influence of Fascism in the U.S., classification of Italian-Americans as "ENEMY ALIENS," participation of Italian-Americans on the home front and as OSS members, and lasting impact of GI experience and the GI Bill.

*Interdisciplinary Option:* Italian American Studies, Italian Studies

*Outcomes:*

To understand and analyze the effect that World War II had upon Italian-Americans as a community and representative ethnic group, drawing on detailed knowledge of World War II history

**HIST 379B History of Italians in Chicago (3 Credit Hours)**

The History of Italians in Chicago offers an in-depth look at one of Chicago's important ethnic groups. The course will utilize local resources and include a number of guest speakers from the fields of sociology, literature and political science.

*Interdisciplinary Option:* Italian American Studies, Italian Studies

*Outcomes:*

Students will understand the major social-economic forces shaping the history of Italians in Chicago; learn how to do primary research; see themselves and local institutions as a part of history

**HIST 380 Introduction to African-American History (3 Credit Hours)**

This course is a general survey of African-American history from its African origins to the Present.

*Interdisciplinary Option:* African Studies and the African Diaspora, Race and Ethnicity

*Course equivalencies:* X-HIST380/BWS 380

*Outcomes:*

Upon completion of this class students should have a broad understanding of African-American History from 17th to the early 21st century

**HIST 380A Islam in the African-American Experience (3 Credit Hours)**

This course traces the development of Islam among African Americans from West African societies prior to the trans-Atlantic slave trade to the influence of Islam on popular culture in the 21st century.

*Interdisciplinary Option:* African Studies and the African Diaspora, Islamic World Studies

*Course equivalencies:* X-HIST380A/BWS302/IWS380

*Outcomes:*

Students will gain an understanding of how Islamic identity was maintained in the face of slavery, how and if African-American Muslim communities differ from their emigrant counterparts, and how black nationalist groups such as the Moorish Science Temple and Nation of Islam influenced the Islamization of black consciousness in the 20th century

**HIST 381 Rebels & Reformers in U.S. History (3 Credit Hours)**

This course explores the success and failure of radical political and social movements in the United States.

*Interdisciplinary Option:* African Studies and the African Diaspora, Peace, Justice, and Conflict Studies, Women & Gender Studies

*Course equivalencies:* HIST381/AFR388/PAX387/WSGS303

*Outcomes:*

Students will understand five major movements for social change in the United States: abolition, women's rights, socialism, peace, and the quest for racial equality

**HIST 382 Teaching Race, Class, and Gender (3 Credit Hours)**

What resources are there for future K-12 teachers wanting to explore the intersections of gender, race, ethnicity, and class into their classrooms and meet new requirements, like those in Chicago, to broaden the K-12 curriculum? This course is designed for primary and secondary education majors eager to explore digital resources.

*Interdisciplinary Option:* Italian American Studies, Latin American Studies, Sociolegal Studies, Women & Gender Studies, Italian American Studies, Latin American Studies, Sociolegal Studies, Women & Gender Studies

*Outcomes:*

Students will: discover a range of free, digital resources; hone their critical reading and writing skills; craft and share lesson plans and reflections; write and present a peer-reviewed research paper

**HIST 384 Irish Diaspora in America (3 Credit Hours)**

This course examines the origins and diversity of Irish migration to the United States since the eighteenth century.

*Outcomes:*

Students will use historical knowledge to develop critical thinking and communications skills about the first large American ethnic minority and its impact on the history of the United States

**HIST 385 Chicago in America (3 Credit Hours)**

This course surveys the history of Chicago from its origins to the present, using the city as a case study of American urbanization.

*Interdisciplinary Option:* Urban Studies

*Course equivalencies:* X-HIST385/URB385

*Outcomes:*

Students will be able to demonstrate historical knowledge of Chicago's environmental, economic, social, cultural, and political history, to draw links between race relations and urban change, and to develop critical thinking and communication skills

**HIST 386 Creation the American Metropolis (3 Credit Hours)**

This course examines the transformation of the United States from a simple agrarian and small-town society to a complex urban and suburban nation, covering the pre-Columbian period to the present.

*Interdisciplinary Option:* Urban Studies

*Course equivalencies:* X-HIST386/URB386

*Outcomes:*

Study history of American urbanization; improve writing and analytical thinking

**HIST 388 U.S. Wars (3 Credit Hours)**

This course will study United States Military history from the Revolutionary War to the War on Terror. We will study key battles, strategy, weapons and leaders. We will also focus on the individual soldier: his pay, recreation, benefits and equipment.

*Outcomes:*

Students will gain familiarity with the military aspects of warfare in U.S. history and the social aspects of warfare; They will be challenged to integrate those varying perspectives into a coherent synthesis of the topic

**HIST 388A Vietnam War (3 Credit Hours)**

This course offers a comprehensive examination of origin, execution, and failure of America's war in Vietnam.

*Interdisciplinary Option:* Asian Studies, Global Studies

*Course equivalencies:* X-HIST/ASIA/PAX389/INTS388

*Outcomes:*

Students will understand the ancient origins of the Vietnamese nation, the rise and fall of the French colonial regime, the role of Vietnam in the Cold War, the peace movement, the political and cultural impact of the war on America, the success and failures of the United States military, the impact of the war on the Indo-China region, and the memory of the war in American culture

**HIST 389B Topic: Gender, Race, & Class in US History (3 Credit Hours)**

This course examines the historical interplay of gender, race and class in the lives of African-American and white women in the United States.

*Interdisciplinary Option:* Race and Ethnicity, Women & Gender Studies

*Course equivalencies:* X-HIST295/PAX295/WSGS299

*Outcomes:*

Students will understand critical themes and periods in the development of racism and sexism, especially the ways in which the two relate; differences and similarities in the manifestations of and reactions to racism and sexism in the lives and thought of African-American and white women of differing class backgrounds

**HIST 389C Gender Benders (3 Credit Hours)**

This course examines the changes in gender roles and the relationship between men and women from the colonial era to the present.

*Interdisciplinary Option:* Women & Gender Studies

*Course equivalencies:* X-HIST294/WOST290/WSGS294

*Outcomes:*

Students will demonstrate understanding of the changing expectations about and definitions of men and women of how families were organized, how childrearing was handled, who made up the home, and how work and family production followed a sexual division of labor

**HIST 389F The Sixties (3 Credit Hours)**

This course focuses on the turbulent years from 1960 to 1974 in American history, a period of active social movements and foreign wars.

*Outcomes:*

Students will be able to demonstrate historical knowledge of American social, political, gender, and cultural change during the 1960s, to draw links between popular mobilizations, countercultures, and social change, and to develop critical thinking and communication skills

**HIST 389K Autobiography and Memoir in Recent US History (3 Credit Hours)**

Autobiography and Memoir in Recent US History uses personal recollections as a way to get at large themes in history. Topics include immigration, nativism, ethnicity, gender, regionalism, war, religion, and class. Students read intensively as a way of understanding how individuals live their lives within large historical forces and events. This is a writing intensive course. It is also a reading intensive course. It is run as a seminar - learning to discuss and engage with ideas is a key element.

**HIST 389N Anti-Immigrant Politics in U.S. History (3 Credit Hours)**

The course features studies of anti-immigrant politics sponsored by: 1. the Federalist Party (late 18th c); 2. the "Know Nothing" Party (mid-19th c); 3. the Populist Party (late 19th c); 4. the Ku Klux Klan (1920s); 5. the Republican Party (early 21st c).

*Interdisciplinary Option:* Italian American Studies, Latin American Studies

*Outcomes:*

Students will use historical perspective to deconstruct the rhetoric and analyze the socio-economic and political contexts of past and present nativist political movements

**HIST 389W Races to the White House: Presidential History (3 Credit Hours)**

This course aims to show how the president's election, job, power, and mystique has changed since the Founding. Students will delve into the modern primary and party system's origins, the fierce debates about the Electoral College, the controversies over executive power, the media's importance, and the first families' changing role.

*Interdisciplinary Option:* Sociolegal Studies

*Outcomes:*

Students will gain historical knowledge of the American presidency, federalism, and electoral politics and develop critical thinking and communication skills

**HIST 390 Senior Capstone (3 Credit Hours)**

Each participant will utilize the research skills, historical studies and writing abilities acquired to date to produce a significant paper based largely on historical research in primary sources and bolstered by appropriate secondary sources. Restricted to students in senior standing.

*Outcomes:*

Students will be able to demonstrate appropriate historical scholarship, analysis and writing skills

**HIST 397 History Honors Tutorial (3 Credit Hours)**

Students in this course will produce a significant research paper on a topic of their own choice (25-30 pages) based largely on primary sources through archival research and will present their work in a symposium at the end of the course.

*Course equivalencies:* HIST397H / HIST397

**HIST 398 History Internship (3 Credit Hours)**

This course provides three hours credit for students engaged in history related internships in the public and private sectors.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will be able to obtain an internship position, to learn on-the-job from an experienced practitioner in a wide variety of public and private sector settings, to draw links between their present situation and historical research, and to develop critical thinking and communication skills

**HIST 399 Directed Study (1-3 Credit Hours)**

This course provides students with the opportunity to work under the direction of a faculty member on a particular area of interest that is not part of the department's usual curriculum.

*Outcomes:*

Students will gain an understanding of a specific area of history through the close reading of selected texts and the preparation of a research paper

## Hindi (HNDI)

**HNDI 100 Urdu Script (1-3 Credit Hours)**

A course in the script for Urdu, the national language of Pakistan and much of Muslim India.

*Course equivalencies:* HNDI100/ASIA100U/IWS100U

**HNDI 101 Hindi-Urdu I (3 Credit Hours)**

This course is an introduction to the two sister languages, Hindi and Urdu. No previous knowledge of either language is assumed. It also introduces the Devanagari script in which Hindi is written.

*Interdisciplinary Option:* Asian Studies, Islamic World Studies

*Course equivalencies:* X-HNDI101/ASIAHU1/IWS101U

*Outcomes:*

Students will be introduced to the spoken language and the script in which the majority of native speakers write the language

**HNDI 102 Hindi-Urdu II (3 Credit Hours)**

This course is for students who have a basic knowledge of either spoken Hindi or Urdu, but do not read or write in Hindi. The course emphasizes the ability to read and write the script and the acquisition of basic grammatical structures and vocabulary.

*Interdisciplinary Option:* Asian Studies, Islamic World Studies

*Course equivalencies:* X-HNDI102/ASIAHU2/IWS102U

*Outcomes:*

Students will be able to develop basic proficiency in the language and will be able to speak, read and write in simple sentences at the elementary level

**HNDI 103 Hindi-Urdu III (3 Credit Hours)**

This course is for students who have an elementary to intermediate knowledge of either spoken Hindi or Urdu but do not read or write in Hindi. The course emphasizes the ability to read and write in the script and the acquisition of formal grammar and vocabulary.

*Interdisciplinary Option:* Asian Studies, Islamic World Studies

*Course equivalencies:* X-HNDI103/ASIAHU3/IWS103U

*Outcomes:*

Students will be able to develop better understanding of grammatical structures and usage; Students will develop more proficiency in reading and writing the language at the intermediate level

**HNDI 104 Hindi-Urdu IV (3 Credit Hours)**

The course is a continuation of 103 and emphasizes the ability to read and write in the script and the acquisition of formal grammar and vocabulary.

*Interdisciplinary Option:* Asian Studies, Islamic World Studies

*Course equivalencies:* X-HNDI104/ASIAHU4/IWS104U

*Outcomes:*

Students will be able to develop better understanding of grammatical structures and usage; Students will develop more proficiency in reading and writing the language at the intermediate level

## Honors (HONR)

**HONR D101 Developments Western Thought I Discussion (3 Credit Hours)**

This is the discussion section that complements the Honors Freshman lecture course on the Western Intellectual Traditions: Antiquity to the Middle Ages. All students enrolled in HONR 101 must also be enrolled in a section of HONR D101.

*Interdisciplinary Option:* Catholic Studies

*Course equivalencies:* X-HONRD101/CATH101D

**HONR D102 Developments in Historical Western Thought II Discussion (3 Credit Hours)**

This is the discussion section that complements the Honors Freshman lecture course on the Western Intellectual Traditions: the Renaissance to Modernism. All students enrolled in HONR 102 must also be enrolled in a section of HONR D102.

**HONR 101 Western Traditions - Antiquity to the Middle Ages (3 Credit Hours)**

This course, (and its companion, HONR 102), opens perspectives on works that have shaped the self-understanding of the Western intellectual tradition. An interdisciplinary team of professors examines these works from a variety of disciplinary paradigms. Students will examine the recurring questions the works pose to each other and to our own culture: questions about the nature of human existence and destiny, and the characteristic problems and possibilities of humanity's struggle for justice, search for truth and hunger for beauty. These courses are structured as three hours of lecture and three hours of seminar each semester.

*Interdisciplinary Option:* Catholic Studies

*Course equivalencies:* X-HONR10/CATH102

*Outcomes:*

Studying a selection of major works from antiquity to the present, students learn how each text reflects its own period, how texts within each period present different views, and how ideas change over time; Written and visual expressions of these themes are examined in relation to the political and cultural background of each period: Ancient Greece and Rome, the Middle Ages, the Renaissance, the Enlightenment, the Romantic Period and modernism

**HONR 102 Western Traditions-Renaissance to Modernity (3 Credit Hours)**

This course (and its companion, HONR 101) opens perspectives on works that have shaped the self-understanding of the West. An interdisciplinary team of professors examines these works from a variety of disciplinary paradigms. Students will examine the recurring questions the works pose to each other and to our own culture: questions about the nature of human existence and destiny, and the characteristic problems and possibilities of humanity's struggle for justice, search for truth and hunger for beauty. These courses are structured as three hours of lecture and three hours of seminar each semester.

*Outcomes:*

Studying a selection of major works from antiquity to the present, students learn how each text reflects its own period, how texts within each period present different views, and how ideas change over time; Written and visual expressions of these themes are examined in relation to the political and cultural background of each period: Ancient Greece and Rome, the Middle Ages, the Renaissance, the Enlightenment, the Romantic Period and modernism

**HONR 203 The United States Experience (3 Credit Hours)**

*Pre-requisites:* HONR 101, HONR D101, HONR 102, HONR D102

Restricted to students in the Honors Program This course examines the formation and development of the United States. Focusing on selected topics, students learn how much is at stake in competing versions of the past. Students read influential political, literary and historical texts. Professors will introduce students to various ways of understanding the United States experience.

*Outcomes:*

Students will be able to demonstrate an understanding of the various ways in which the distinctive U.S. experience has been presented; Students will learn to use available public sources to conduct research on aspects of the American experience

**HONR 203A The United States Experience (3 Credit Hours)**

*Pre-requisites:* Completion of HONR 101, HONR D101, HONR 102, and HONR D102

Restricted to students in the Honors Program. This course examines the question, "Who are we in the United States of America?" Students approach this question using multiple texts and visual materials that address social, political, and cultural aspects of the U.S. experience. The course illustrates the main contours of American society and the American story and explores the ways in which our self-image as a people reflects and contradicts reality.

*Knowledge Area:* Tier 2 Historical Knowledge

*Outcomes:*

Students will understand the role of key historical processes such as the frontier experience, industrialization, immigration, religious pluralism, and the struggle for equality in the development of a distinctive American story; They will learn to use available public sources to conduct research on aspects of the American experience



**HONR 203B The United States Experience (3 Credit Hours)**

*Pre-requisites:* Completion of HONR 101, HONR D101, HONR 102, and HONR D102

Restricted to students in the Honors Program. This course examines the question, "Who are we in the United States of America?" Students approach this question using multiple texts and visual materials that address social, political, and cultural aspects of the U.S. experience. The course illustrates the main contours of American society and the American story and explores the ways in which our self-image as a people reflects and contradicts reality.

*Knowledge Area:* Tier 2 Societal Knowledge

*Outcomes:*

Students will understand the role of key social processes such as the frontier experience, industrialization, immigration, religious pluralism, and the struggle for equality in the development of a distinctive American story; They will learn to use available public sources to conduct research on aspects of the American experience

**HONR 203C The United States Experience (3 Credit Hours)**

*Pre-requisites:* Completion of HONR 101, HONR D101, HONR 102, and HONR D102

Restricted to students in the Honors Program. This course examines the question, "Who are we in the United States of America?" Students explore the multiple ways in which key American experiences such as the western expansion, industrialization, immigration, religious pluralism, and the struggle for equality are reflected in its fiction and drama.

*Knowledge Area:* Tier 2 Literary Knowledge

*Outcomes:*

Students will be able to demonstrate an understanding of the various ways in which the distinctive U.S. experience has been presented in its literature; they will be able to analyze and defend interpretations of a variety of literary texts

**HONR 204 Science and Society (3 Credit Hours)**

*Pre-requisites:* Prerequisite HONR 101, HONR D101, HONR 102, HONR D102

Restricted to Honors students. Students will examine the ways natural science and social science address a particular issue as well as the effects of science on society. They will study scientific ways of knowing and organizing knowledge, and demonstrate the capacity to make reasoned and ethical judgments about the impact of science on society.

*Outcomes:*

Students will learn scientific principles and methods of producing knowledge and to make reasoned and ethical judgments about the impact of science on the individual, community and society

**HONR 204A Science and Society (3 Credit Hours)**

*Pre-requisites:* Restricted to Honors students

Students will examine the ways natural science and social science address particular issues as well as the effects of science on society. They will study the history of science and scientific ways of knowing, and demonstrate the capacity to make reasoned and ethical judgments about the impact of science on society.

*Knowledge Area:* Tier 2 Historical Knowledge

*Outcomes:*

Students will learn the history of scientific principles and methods of producing knowledge and to make reasoned and ethical judgments about the impact of science on the individual, community and society

**HONR 204B Science and Society (3 Credit Hours)**

*Pre-requisites:* Completion of HONR 101, HONR D101, HONR 102, and HONR D102

Restricted to students in the Honors Program. Students will examine the ways natural science and social science address a particular issue as well as the effects of science on society. They will study scientific ways of knowing and organizing knowledge, and demonstrate the capacity to make reasoned and ethical judgments about the impact of science on society.

*Knowledge Area:* Tier 2 Societal Knowledge

*Outcomes:*

Students will learn scientific principles and methods of producing knowledge and to make reasoned and ethical judgments about the impact of science on the individual, community and society

**HONR 204D Science and Society (3 Credit Hours)**

*Pre-requisites:* Completion of HONR 101, HONR D101, HONR 102, and HONR D102

Restricted to students in the Honors Program. Students will examine the ways natural science and social science address a particular issue as well as the effects of science on society. They will learn scientific ways of knowing and organizing knowledge and demonstrate the capacity to make reasoned and ethical judgments about the impact of science on society.

*Knowledge Area:* Tier 2 Scientific Knowledge

*Outcomes:*

Students will learn scientific principles and methods of producing knowledge and to make reasoned and ethical judgments about the impact of science on the individual, community and society

**HONR 204E Science and Society (3 Credit Hours)**

*Pre-requisites:* Completion of HONR 101, HONR D101, HONR 102, and HONR D102

Restricted to students in the Honors Program. Students will examine the ways natural science and social science address a particular issue as well as the effects of science on society. They will learn scientific ways of knowing and organizing knowledge, and demonstrate the capacity to make reasoned and ethical judgments about the impact of science on society.

*Knowledge Area:* Quantitative Knowledge

*Outcomes:*

Students will learn quantitative methods of producing knowledge and to make reasoned and ethical judgments about the impact of science on the individual, community and society

**HONR 208 Encountering Latin America and the Caribbean (3 Credit Hours)**

*Pre-requisites:* Completion of HONR 101, HONR D101, HONR 102, and HONR D102

Restricted to students in the Honors Program. This course introduces students to the history and culture of selected nations of Latin America and the Caribbean. Students will study significant ideas and events that have shaped this area. These might include indigenous cultures, colonization, slavery, race relations, independence and revolutionary movements, economic dependency and political instability.

*Interdisciplinary Option:* Global Studies

*Outcomes:*

Students will understand the relationships among cultural, economic, political, and social forces, and their impact on human behavior; Students will become aware of variations in human values and behavior, ideas of justice, and shared understandings in unfamiliar cultures

**HONR 208A Encountering Latin America and the Caribbean (3 Credit Hours)**

*Pre-requisites:* Completion of HONR 101, HONR D101, HONR 102, and HONR D102

Restricted to students in the Honors Program. This course introduces students to the history and culture of selected nations of Latin America and the Caribbean. Students will study significant ideas and events that have shaped this area. These might include indigenous cultures, colonization, slavery, race relations, independence and revolutionary movements, economic dependency and political instability. Students will understand the relationships among cultural, economic, political, and social forces, and their impact on human behavior. They will become aware of variations in human values and behavior, ideas of justice, and shared understandings in unfamiliar cultures.

*Knowledge Area:* Tier 2 Historical Knowledge

*Interdisciplinary Option:* Global Studies

**HONR 208B Encountering Latin America and the Caribbean (3 Credit Hours)**

*Pre-requisites:* Completion of HONR 101, HONR D101, HONR 102, and HONR D102

This course introduces students to the history and culture of selected nations of Latin America and the Caribbean. Students will study significant ideas and events that have shaped this area. These might include indigenous cultures, colonization, slavery, race relations, independence and revolutionary movements, economic dependency and political instability. Restricted to students in the Honors Program.

*Knowledge Area:* Tier 2 Societal Knowledge

*Interdisciplinary Option:* Global Studies

*Outcomes:*

Students will understand the relationships among cultural, economic, political, and social forces, and their impact on human behavior; They will become aware of variations in human values and behavior, ideas of justice, and shared understandings in unfamiliar cultures

**HONR 208C Encountering Latin America and the Caribbean (3 Credit Hours)**

*Pre-requisites:* Completion of HONR 101, HONR D101, HONR 102, and HONR D102; Restricted to students in the Honors Program

This course introduces students to the literature of selected nations of Latin America and the Caribbean. Students will study the multiple ways in which indigenous cultures, colonization, slavery, race relations, independence and revolutionary movements, economic dependency and political instability are reflected in the region's fiction and drama.

*Knowledge Area:* Tier 2 Literary Knowledge

*Interdisciplinary Option:* Global Studies

*Outcomes:*

Students will be able to demonstrate an understanding of the various ways in which human identities and values have been presented in literature; they will be able to analyze and defend interpretations of a variety of literary texts

**HONR 209 Encountering Asia (3 Credit Hours)**

*Pre-requisites:* Completion of HONR 101, HONR D101, HONR 102, and HONR D102; Restricted to students in the Honors Program

This course will introduce students to various regions in Asia and some of the fundamental components of Asian civilizations as they have evolved historically and persist in the modern world. Regions might include East, South and Southeast Asia.

*Interdisciplinary Option:* Asian Studies, Global Studies

*Outcomes:*

Students will learn different methods of interpreting cultural, economic, political, and social forces, and their impact on human behavior; Students will become aware of variations in human identities and values, ideas of justice, and shared understandings in unfamiliar cultures

**HONR 209A Encountering Asia (3 Credit Hours)**

*Pre-requisites:* Completion of HONR 101, HONR D101, HONR 102, and HONR D102; Restricted to students in the Honors Program

This course will introduce students to various regions in Asia and some of the fundamental components of Asian civilizations as they have evolved historically and persist in the modern world. Regions might include East, South and Southeast Asia.

*Knowledge Area:* Tier 2 Historical Knowledge

*Interdisciplinary Option:* Asian Studies, Global Studies

*Outcomes:*

Students will learn different methods of interpreting cultural, economic, political, and social forces, and their impact on human behavior; They will become aware of variations in human identities and values, ideas of justice, and shared understandings in unfamiliar cultures

**HONR 209B Encountering Asia (3 Credit Hours)**

*Pre-requisites:* Completion of HONR 101, HONR D101, HONR 102, and HONR D102; Restricted to students in the Honors Program

This course will introduce students to various regions in Asia and some of the fundamental components of Asian civilizations as they have evolved historically and persist in the modern world. Regions might include East, South and Southeast Asia.

*Knowledge Area:* Tier 2 Societal Knowledge

*Interdisciplinary Option:* Asian Studies, Global Studies

*Outcomes:*

Students will learn different methods of interpreting cultural, economic, political, and social forces, and their impact on human behavior; They will become aware of variations in human identities and values, ideas of justice, and shared understandings in unfamiliar cultures

**HONR 209C Encountering Asia (3 Credit Hours)**

*Pre-requisites:* Completion of HONR 101, HONR D101, HONR 102, and HONR D102; Restricted to students in the Honors Program

This course will introduce students to the literature of various regions in Asia. Students read representative literary texts, exploring cross-cultural linkages and influences within Asia as a whole as well the distinctive characteristics of individual societies.

*Knowledge Area:* Tier 2 Literary Knowledge

*Interdisciplinary Option:* Asian Studies, Global Studies

*Outcomes:*

Students will be able to demonstrate an understanding of the various ways in which human identities and values have been presented in literature; they will be able to analyze and defend interpretations of a variety of literary texts

**HONR 210 Encountering Africa (3 Credit Hours)**

*Pre-requisites:* Completion of HONR 101, HONR D101, HONR 102, and HONR D102; Restricted to students in the Honors Program

This course introduces students to various regions in Africa and some of the fundamental components of African civilizations as they have evolved historically and persist in the modern world. These might include classical African civilizations, origins of the slave trade, agriculture, ethnicities, colonialism, nationalism, the modern state.

*Interdisciplinary Option:* Global Studies, Islamic World Studies

*Outcomes:*

Students will learn different methods of interpreting cultural, economic, political, and social forces, and their impact on human behavior; Students will become aware of variations in human identities and values, ideas of justice, and shared understandings in unfamiliar cultures

**HONR 210A Encountering Africa (3 Credit Hours)**

*Pre-requisites:* Completion of HONR 101, HONR D101, HONR 102, and HONR D102; Restricted to students in the Honors Program

This course introduces students to various regions in Africa and some of the fundamental components of African civilizations as they have evolved historically and persist in the modern world. These might include classical African civilizations, origins of the slave trade, agriculture, ethnicities, colonialism, nationalism, the modern state.

*Knowledge Area:* Tier 2 Historical Knowledge

*Interdisciplinary Option:* Global Studies, Islamic World Studies

*Outcomes:*

Students will learn different methods of interpreting cultural, economic, political, and social forces, and their impact on human behavior; They will become aware of variations in human identities and values, ideas of justice, and shared understandings in unfamiliar cultures

**HONR 210B Encountering Africa (3 Credit Hours)**

*Pre-requisites:* Completion of HONR 101, HONR D101, HONR 102, and HONR D102; Restricted to students in the Honors Program

This course introduces students to various regions in Africa and some of the fundamental components of African civilizations as they have evolved historically and persist in the modern world. These might include classical African civilizations, origins of the slave trade, agriculture, ethnicities, colonialism, nationalism, the modern state.

*Knowledge Area:* Tier 2 Societal Knowledge

*Interdisciplinary Option:* Global Studies, Islamic World Studies

*Outcomes:*

Students will learn different methods of interpreting cultural, economic, political, and social forces, and their impact on human behavior; They will become aware of variations in human identities and values, ideas of justice, and shared understandings in unfamiliar cultures

**HONR 210C Encountering Africa (3 Credit Hours)**

*Pre-requisites:* Completion of HONR 101, HONR D101, HONR 102, and HONR D102; Restricted to students in the Honors Program

This course introduces students to the literature of various regions in Africa. Topics might include the multiple ways in which classical African civilizations, the slave trade, agriculture, ethnicities, colonialism, nationalism, the modern state are reflected in the region's fiction or drama.

*Knowledge Area:* Tier 2 Literary Knowledge

*Interdisciplinary Option:* Global Studies, Islamic World Studies

*Outcomes:*

Students will be able to demonstrate an understanding of the various ways in which human identities and values have been presented in literature; they will be able to analyze and defend interpretations of a variety of literary texts

**HONR 212 Encountering the Middle East (3 Credit Hours)**

*Pre-requisites:* Completion of HONR 101, HONR D101, HONR 102, and HONR D102; Restricted to students in the Honors Program

This course introduces students to various regions in the Middle East and some of the components of selected civilizations in this region as they have evolved historically and persist in the modern world. Topics might include monotheistic religions, the Ottoman Empire, Islamic culture, creation of the modern system of states after the First World War, the place of women in Middle Eastern societies, urban and rural cultures, the political and economic consequences of water scarcity and oil wealth.

*Interdisciplinary Option:* Global Studies, Islamic World Studies

*Outcomes:*

Students will learn different methods of interpreting cultural, economic, political, and social forces, and their impact on human behavior; Students will become aware of variations in human identities and values, ideas of justice, and methods of interpretation in unfamiliar cultures

**HONR 212A Encountering the Middle East (3 Credit Hours)**

*Pre-requisites:* Completion of HONR 101, HONR D101, HONR 102, and HONR D102; Restricted to students in the Honors Program

This course introduces students to various regions in the Middle East and some of the components of selected civilizations in this region as they have evolved historically and persist in the modern world. Topics might include monotheistic religions, the Ottoman Empire, Islamic culture, creation of the modern system of states after the First World War, the place of women in Middle Eastern societies, urban and rural cultures, the political and economic consequences of water scarcity and oil wealth.

*Knowledge Area:* Tier 2 Historical Knowledge

*Interdisciplinary Option:* Global Studies, Islamic World Studies

*Outcomes:*

Students will learn different methods of interpreting cultural, economic, political, and social forces, and their impact on human behavior; They will become aware of variations in human identities and values, ideas of justice, and methods of interpretation in unfamiliar cultures

**HONR 212B Encountering the Middle East (3 Credit Hours)**

*Pre-requisites:* Completion of HONR 101, HONR D101, HONR 102, and HONR D102; Restricted to students in the Honors Program

This course introduces students to various regions in the Middle East and some of the components of selected civilizations in this region as they have evolved historically and persist in the modern world. Topics might include monotheistic religions, the Ottoman Empire, Islamic culture, creation of the modern system of states after the First World War, the place of women in Middle Eastern societies, urban and rural cultures, the political and economic consequences of water scarcity and oil wealth.

*Knowledge Area:* Tier 2 Societal Knowledge

*Interdisciplinary Option:* Global Studies, Islamic World Studies

*Outcomes:*

Students will learn different methods of interpreting cultural, economic, political, and social forces, and their impact on human behavior; They will become aware of variations in human identities and values, ideas of justice, and methods of interpretation in unfamiliar cultures

**HONR 212C Encountering the Middle East (3 Credit Hours)**

*Pre-requisites:* Completion of HONR 101, HONR D101, HONR 102, and HONR D102; Restricted to students in the Honors Program

This course introduces students to various regions in the Middle East and some of the components of selected civilizations in this region as they have evolved historically and persist in the modern world. Topics might include monotheistic religions, the Ottoman Empire, Islamic culture, creation of the modern system of states after the First World War, the place of women in Middle Eastern societies, urban and rural cultures, the political and economic consequences of water scarcity and oil wealth.

*Knowledge Area:* Tier 2 Literary Knowledge

*Interdisciplinary Option:* Global Studies, Islamic World Studies

*Outcomes:*

Students will learn different methods of interpreting cultural, economic, political, and social forces, and their impact on human behavior; They will become aware of variations in human identities and values, ideas of justice, and methods of interpretation in unfamiliar cultures

**HONR 216 Encountering Contemporary Europe (3 Credit Hours)**

*Pre-requisites:* Completion of HONR 101, HONR D101, HONR 102, and HONR D102; Restricted to students in the Honors Program

This course introduces students to selected areas of Europe as they have evolved since World War II. Topics might include Europe's cultural history, nationalism, the European Union, immigration, economic development, and political life. Professors introduce students to various ways of approaching an area with many languages, ethnicities, nation-states and religions.

*Interdisciplinary Option:* European Studies, Global Studies

*Outcomes:*

Students will learn different methods of interpreting cultural, economic, political, and social forces, and their impact on human behavior; Students will become aware of variations in human identities and values, ideas of justice, and shared understandings in unfamiliar cultures

**HONR 216A Encountering Contemporary Europe (3 Credit Hours)**

*Pre-requisites:* Completion of HONR 101, HONR D101, HONR 102, and HONR D102; Restricted to students in the Honors Program

This course introduces students to selected areas of Europe as they have evolved since World War II. Topics might include Europe's cultural history, nationalism, the European Union, immigration, economic development, and political life. Professors introduce students to various ways of approaching an area with many languages, ethnicities, nation-states and religions.

*Knowledge Area:* Tier 2 Historical Knowledge

*Interdisciplinary Option:* Global Studies

*Outcomes:*

Students will learn different methods of interpreting cultural, economic, political, and social forces, and their impact on human behavior; They will become aware of variations in human identities and values, ideas of justice, and shared understandings in unfamiliar cultures

**HONR 216B Encountering Contemporary Europe (3 Credit Hours)**

*Pre-requisites:* Completion of HONR 101, HONR D101, HONR 102, and HONR D102; Restricted to students in the Honors Program

This course introduces students to selected areas of Europe as they have evolved since World War II. Topics might include Europe's cultural history, nationalism, the European Union, immigration, economic development, and political life. Professors introduce students to various ways of approaching an area with many languages, ethnicities, nation-states and religions.

*Knowledge Area:* Tier 2 Societal Knowledge

*Interdisciplinary Option:* European Studies, Global Studies

*Outcomes:*

Students will learn different methods of interpreting cultural, economic, political, and social forces, and their impact on human behavior; They will become aware of variations in human identities and values, ideas of justice, and shared understandings in unfamiliar cultures

**HONR 216C Encountering Contemporary Europe (3 Credit Hours)**

*Pre-requisites:* Completion of HONR 101, HONR D101, HONR 102, and HONR D102; Restricted to students in the Honors Program

This course introduces students to European literature as it has evolved since World War II. Topics might include the various ways in which Europe's cultural history, nationalism, immigration, economic development, and political life are reflected in its fiction and drama. Professors introduce students to various ways of approaching an area with many languages, ethnicities, nation-states and religions.

*Knowledge Area:* Tier 2 Literary Knowledge

*Interdisciplinary Option:* Global Studies

*Outcomes:*

Students will be able to demonstrate an understanding of the various ways in which human identities and values have been presented in literature; they will be able to analyze and defend interpretations of a variety of literary texts

**HONR 290 Literacy Center (3 Credit Hours)**

*Pre-requisites:* Students in or beyond their second semester; UCWR 110 or equivalent

This course offers training and practical experience in tutoring adults in written and spoken English in a volunteer literacy program. Students will be able to demonstrate understanding of societal and cultural factors affecting literacy, and will develop communication and critical thinking skills.

This course satisfies the Engaged Learning requirement.

**HONR 301 Honors Capstone: Moral Responsibility (3 Credit Hours)**

This course is the capstone of the Interdisciplinary Honors Program and may be taught from the disciplinary perspectives of philosophy or theology. Students will be able to analyze ethical theories and to apply principles of ethical reasoning and individual moral responsibility to contemporary social issues and questions that arise in everyday life. Students must have 75 credit hours or more to enroll.

*Knowledge Area:* Ethics

**HONR 370 Fieldwork in Honors - Internship (1-3 Credit Hours)**

The main goal of this course is to provide students with valuable work experience in a professional field connected with their academic program. It allows students to apply and further develop their knowledge and skills through an internship in a non-academic setting. The course is also intended to serve as a "bridge" between college and career. This internship presents an opportunity for students to gain valuable professional experience as an intern in public or private institutions engaged in public service projects. HONR 370 will satisfy the "service" requirement for all Honors students.

This course satisfies the Engaged Learning requirement.



## Human Services (HMSV)

### HMSV 101 Survey of Human Services (3 Credit Hours)

Survey of Human Services will cover basic concepts and models of service delivery in the field. Primary emphasis will be on the growth and evolution of the field, types of services and needy populations, and issues that affect the delivery of human services in the United States.

*Interdisciplinary Option:* Human Services

### HMSV 201 Human Services Practice (3 Credit Hours)

The purpose of this course is to prepare students for their future work in HMSV agencies and to introduce them to HMSV clients. The course will teach students about the basic issues that face HMSV providers and will help them put a human face on HMSV clients. In addition, the course will emphasize the importance of client diversity in formulating assessment and case management strategies for HMSV clients.

*Interdisciplinary Option:* Human Services

This course satisfies the Engaged Learning requirement.

### HMSV 390 Supervised Fieldwork II (6 Credit Hours)

No course description is available

*Interdisciplinary Option:* Human Services

This course satisfies the Engaged Learning requirement.

## Interdisciplinary Studies (INDS)

### INDS 380 Newberry Seminar (6 Credit Hours)

This course is for students selected for the Newberry Library Undergraduate Seminar, an interdisciplinary, humanities research course offered every Spring. The theme of research changes annually. The competition for the five spots for Loyola students is held every Fall. This course satisfies the Engaged Learning requirement.

## International Cinema, Video, and New Media (ICVM)

### ICVM 201 Media Theory and Criticism (3 Credit Hours)

This course is an introduction to the study of traditional mass media and new media from a critical and interpretive perspective.

*Course equivalencies:* X-IFMS201/COMM201

*Outcomes:*

This course reviews semiotics and other methods of textual analysis of media; Students taking the course should be able to understand and apply textual analysis methods to specific media texts, such as films, TV shows or videogames

### ICVM 297 Special Topics (3 Credit Hours)

Advanced courses that offer in-depth reading. Research, and discussion in a specialized area, Course titles and content vary, and prerequisites are established by the instructor. May be repeated (with different topics) for a total of 9 hours.

*Course equivalencies:* ICVM297/IFMS297

### ICVM 323 Film Genre (3 Credit Hours)

*Pre-requisites:* ICVM 201 or 222

This course offers an in-depth analysis of film genres, their conventions, and /or cultural functions (e.g., documentary film noir, science fiction). Selected film viewing is a catalyst for analyzing the relations between ideology, authorship, and storytelling. May be repeated with different topic for a total of 9 hours but only 6 may count towards the major.

*Course equivalencies:* X-COMM323/ICVM323/IFMS323

*Outcomes:*

Students will be able to demonstrate knowledge what constitutes a genre and the varied approaches used to analyze films within the context of genre studies

### ICVM 365 History of Photography (3 Credit Hours)

A chronological and thematic survey of the history of photography, especially in Europe and America. Fine art and utilitarian applications of the medium are considered by examining photographers who represent the origin and development of major pictorial forms; the interaction between technology and imagery; and the relationships between photography and historical, social and cultural events.

*Course equivalencies:* X-FNAR365/ICVM365/IFMS365

*Outcomes:*

Students will be able to demonstrate understanding of the most important pictorial forms, themes, practitioners, processes and context of photography as a fine and applied art from the beginning of the nineteenth century to the present

### ICVM 395 Special Topics (3 Credit Hours)

Advanced courses that offer in-depth reading, research, media production training, and discussion in a specialized area. May be repeated (with different topics) for a total of 9 hours.

*Outcomes:*

Would vary from topic to topic; Students will be able to demonstrate an understanding of the specific topic area selected

### ICVM 398 Practicum (1-3 Credit Hours)

This course allows advanced students to work independently and gain advance practical experience in the production of significant film, video, and digital media projects.

*Course equivalencies:* ICVM398/IFMS398

*Outcomes:*

The student will gain experience in developing and producing a significant film, video or digital media project

## Interreligious and Interfaith (IRIF)

### IRIF 300 Religious Diversity in Theory & Practice (3 Credit Hours)

This course provides an integrative overview of the field of interreligious and interfaith studies by way of its main components: Interreligious literacy, religious pluralism, and interreligious conflict resolution. It is intended to equip students to work in a multireligious setting.

*Interdisciplinary Option:* Interreligious and Interfaith Studies

*Outcomes:*

To be prepared to work in religiously diverse environments, understand religious diversity in America and its practical implications, and understand basic methodologies and concepts in the study of interreligious relations

### IRIF 380 Interreligious and Interfaith Internship (3 Credit Hours)

An internship in an interreligious or multireligious setting. Upon completion students will write an analysis of the ways diverse religious traditions interact in practical settings. Restricted to Interreligious and Interfaith Minors.

*Interdisciplinary Option:* Interreligious and Interfaith Studies

*Course equivalencies:* X-IRIF 380/SOCL 380I

## Islamic World Studies (IWS)

### IWS IWS Survey of Islamic History (3 Credit Hours)

The course will introduce the historical development of Islamic civilization and the formation of Muslim social and political institutions from the 7th century to the present.

*Outcomes:*

Students will be able to demonstrate knowledge of the historical development and diversity of Islamic beliefs, practices, and institutions in varied regional contexts and historical periods

## Italian (ITAL)

### ITAL 101 Italian I (3 Credit Hours)

This course provides an introduction to the basic grammatical elements of Italian, promoting the development of listening comprehension, speaking, reading and writing skills while examining the geography and culture of Italy.

*Outcomes:*

Students will be able to understand and write basic Italian sentences and to produce orally and in writing short sentences providing basic personal information about themselves, their activities and plans in Italian

### ITAL 102 Italian II (3 Credit Hours)

*Pre-requisites:* ITAL 101

This course continues the introduction to the basic grammatical elements of Italian, promoting the further development of listening comprehension, speaking, reading and writing skills while examining the geography and culture of Italy.

*Outcomes:*

Students will be able to understand and write basic Italian sentences and to produce orally and in writing short sentences providing basic personal information about themselves, their activities and plans in Italian

### ITAL 103 Italian III (3 Credit Hours)

*Pre-requisites:* ITAL 102

This course examines more complex grammatical elements of Italian, and promotes the development of intermediate listening comprehension, speaking, reading and writing skills.

*Outcomes:*

Students will be able to understand and write more complex Italian sentences and paragraphs, and to produce orally and in writing paragraphs and longer pieces providing accounts of their present past and future activities, and oral and written reactions to Italian cultural products

### ITAL 104 Italian IV (3 Credit Hours)

*Pre-requisites:* ITAL 103

This course is a comprehensive review of the basic grammatical elements of Italian, while continuing to promote all language skills with particular emphasis on reading and writing proficiency in areas of cultural and societal investigation.

*Outcomes:*

Students will be able to understand and write increasingly complex Italian sentences and paragraphs and to produce orally and in writing utterances and texts about Italy, its cultural distinctness and its differences from the United States

### ITAL 250 Composition & Conversation I (3 Credit Hours)

*Pre-requisites:* ITAL 104

This advanced conversation and composition course emphasizes the development of advanced Italian speaking and writing skills and examines advanced grammar and vocabulary in relation to advanced skill development.

*Outcomes:*

Students will further develop their Italian language skill acquired in previous courses and through experience and will strive for functional conversational fluency and the ability to write with clarity, precision and control of grammatical elements

### ITAL 251 Composition & Conversation II (3 Credit Hours)

*Pre-requisites:* ITAL 104

This advanced conversation and composition course can either be taken as a continuation of ITAL 250 or independently. It also emphasizes the development of advanced Italian speaking and writing skills and examines advanced grammar and vocabulary in relation to advanced skill development.

*Interdisciplinary Option:* Italian Studies

*Outcomes:*

Students will further develop their Italian language skill acquired in previous courses and through experience and will strive for functional conversational fluency and the ability to write with clarity, precision and control of grammatical elements

### ITAL 270 Main Currents of Italian Literature I (3 Credit Hours)

This course, taught in Italian, is an introduction to Italian literary texts of the Middle Ages and early Renaissance in relation to the cultural and social and political history of Italy during its most noteworthy period of development.

*Interdisciplinary Option:* European Studies, Italian Studies

*Outcomes:*

Students will demonstrate knowledge of how medieval and Renaissance Italian literary text reflect in a profound way Italy's cultural, artistic and political history in a systematic manner

### ITAL 271 Main Currents of Italian Literature II (3 Credit Hours)

This course, taught in Italian, is an introduction to Italian literary texts and films in relation to the cultural and political history of Italy from 1700 to the present.

*Interdisciplinary Option:* European Studies, Global Studies, Italian Studies

*Outcomes:*

Students will demonstrate knowledge of how Italian literary texts and film reflect in a profound way Italy's social, cultural, economic and political history in a systematic manner

### ITAL 280 Masterpieces of Italian Literature (3 Credit Hours)

*Pre-requisites:* ITAL 250 and ITAL 251, with C or better; If either 250 or 251 have been completed, the other may be taken simultaneously with this course

This course is dedicated to the study of selected literary masterpieces written in Italian. Canonical and non-canonical works may be included, alongside essays that reflect on the definition and the history of Italian literature and its canon.

*Outcomes:*

By the end of the course, students will be able to describe, discuss, and present works of literature in expository writing; Students will demonstrate adequate reading and writing skills at level through oral presentations and term papers; Achievement level desired: ACTFL\* Intermediate High to Advanced Low

**ITAL 282 Studies in a Theme (3 Credit Hours)**

*Pre-requisites:* ITAL 250 and ITAL 251, with C or better; If either 250 or 251 have been completed, the other may be taken simultaneously with this course

This course explores a theme chosen by the instructor on any social, artistic, and intellectual currents in the cultural history of Italy. The course may include cultural expressions such as the visual arts, music, theatre, performance, and film. It may consider different communication platforms such as - but not limited to - social media and pop culture. It may examine different genres and periods.

*Outcomes:*

By the end of the course, students will be able to identify the historical and social roots of Italian cultural phenomena and differentiate traditions and cultural perspectives in expository writing; Students will demonstrate adequate reading and writing skills at level through oral presentations and term papers; Achievement level desired: ACTFL\* Intermediate High to Advanced Low

**ITAL 283 Studies in Italian Authors (3 Credit Hours)**

*Pre-requisites:* ITAL 250 and ITAL 251, with C or better; If either 250 or 251 have been completed, the other may be taken simultaneously with this course

This course is dedicated to the study of selected Italian authors. Canonical and non-canonical writers may be included, alongside authors of the Italian diaspora.

*Course equivalencies:* X-ITAL283/MSTU376

*Outcomes:*

By the end of the course, students will be able to describe, discuss, and present the works of Italian authors in expository writing; Students will demonstrate adequate reading and writing skills at level through oral presentations and term papers; Achievement level desired: ACTFL\* Intermediate High to Advanced Low

**ITAL 284 Studies in Italian Film (3 Credit Hours)**

*Pre-requisites:* ITAL 250 and ITAL 251, with C or better; If either 250 or 251 have been completed, the other may be taken simultaneously with this course

This course will focus on one or more aspects of Italian films and may concentrate on narrative structure, genre, authorship, cinematography, casting, setting, and so on. The course may include a diverse selection of Italian high-brow and popular films, alongside readings that highlight their societal and cultural roots.

*Interdisciplinary Option:* Global Studies

*Outcomes:*

By the end of the course, students will be able to describe, discuss, and present on various aspects of Italian cinema and the work of Italian filmmakers; Students will demonstrate adequate reading and writing skills at level through oral presentations and term papers; Achievement level desired: ACTFL\* Intermediate High to Advanced Low

**ITAL 290 The Italians (3 Credit Hours)**

*Pre-requisites:* ITAL 250 and ITAL 251, with C or better; If either 250 or 251 have been completed, the other may be taken simultaneously with this course

This course aims at the acquisition of the Italian language for professional purposes in conducting business in Italy or with Italian companies. It will provide students with professional opportunities in an international and global environment.

*Interdisciplinary Option:* Italian American Studies

*Outcomes:*

By the end of the course, students will be familiar with business etiquette and the organization of Italian companies and corporations; Students will demonstrate use of appropriate written professional language in business letters and CV writing, and in oral communication; Achievement level desired: ACTFL\* Intermediate High to Advanced Low

**ITAL 300 Tutorial for Credit (1-6 Credit Hours)**

Students will cover a specially designed program of study through regular meeting with Italian faculty.

*Interdisciplinary Option:* Italian Studies

*Outcomes:*

Students will demonstrate knowledge of literature and culture and will improve their language skills

**ITAL 301 Stylistics (3 Credit Hours)**

*Pre-requisites:* ITAL 270 and ITAL 271, with C or better; If either 270 or 271 have been completed, the other may be taken simultaneously with this course

This course helps students develop writing skills in expository prose. Based on intensive study of advanced grammar and syntax, the course enhances students' vocabulary through prose, poetry, and essay readings.

*Outcomes:*

By the end of the course, students will demonstrate a firm and comprehensive command of the complexities of written and spoken Italian in expository writing and oral presentations; Achievement level desired: ACTFL\* Advanced Low

**ITAL 305 Advanced Grammar (3 Credit Hours)**

This course, taught in Italian, is a study of advanced Italian composition and rhetoric, with advanced study of Italian grammar.

*Interdisciplinary Option:* Italian Studies

*Outcomes:*

Students will further develop their Italian language skills acquired in previous courses and through experience and will strive to achieve as high a proficiency level as personally possible in their advanced Italian reading and writing ability

**ITAL 308 Literary Criticism (3 Credit Hours)**

*Pre-requisites:* ITAL 270 and ITAL 271, with C or better; If either 270 or 271 have been completed, the other may be taken simultaneously with this course

Students will study major schools and themes in literary theory, both historical and contemporary. Rhetorical, philosophical, and cultural approaches to literature will be studied in conjunction with specific literary texts drawn from several linguistic and cultural traditions.

*Course equivalencies:* X-FREN/GERM/ITAL/SPAN308

*Outcomes:*

By the end of the course, students will be able to debate, contextualize, and interpret major critical issues in the study and theory of literature in expository writing and oral presentations; ACTFL\* achievement level desired: Advanced Low to Mid

**ITAL 312 Dante-The Divine Comedy (3 Credit Hours)**

This course, taught in Italian, will examine the Vita Nuova and Divine Comedy of Dante Alighieri and study Dante's poetic world in the context of Medieval culture.

*Interdisciplinary Option:* Catholic Studies, European Studies, Italian Studies, Medieval Studies

*Course equivalencies:* X-ITAL312/CATH312/MSTU364

*Outcomes:*

Students will demonstrate knowledge of Dante's Italian and understanding of the historical, cultural, critical and technical vocabulary needed to analyze the Divine Comedy

**ITAL 314 Survey 13th & 14th Century Literature (3 Credit Hours)**

This course, taught in Italian, will examine the influential literary works of Francis Petrarch and Giovanni Boccaccio with emphasis on their respective masterpieces: the Canzoniere and the Decameron.

*Interdisciplinary Option:* Catholic Studies, Medieval Studies

*Course equivalencies:* X-ITAL314/MSTU368

*Outcomes:*

Students will demonstrate knowledge of Petrarch's poetry and Boccaccio's difficult prose and their techniques of composition

**ITAL 315 Italian Renaissance Literature (3 Credit Hours)**

This course, taught in Italian, will examine the influential literary works of Poliziano, Lorenzo dei Medici, Machiavelli and Castiglione.

*Interdisciplinary Option:* Italian Studies

*Outcomes:*

Students will demonstrate knowledge of Renaissance literature in a variety of genres

**ITAL 316 Renaissance Chivalric Poems (3 Credit Hours)**

This course, taught in Italian, will examine the Chivalric Romance Epics of Boiardo, Ariosto and Tasso.

*Outcomes:*

Students will demonstrate knowledge of Renaissance literature's greatest works

**ITAL 317 Survey Early 19th Century Literature (3 Credit Hours)**

This course will examine the influential literary works of Ugo Foscolo, Giacomo Leopardi, Alessandro Manzoni and other authors in a crucial period in the formation of modern Italian cultural identity.

*Interdisciplinary Option:* European Studies

*Outcomes:*

Students will demonstrate knowledge of Foscolo and Leopardi poetry and Manzoni's prose and their literary style

**ITAL 318 Survey Late 19th Cent Lit (3 Credit Hours)**

This course will examine the influential literary works of Giovanni Verga and the school of Verismo and the "romanzi di formazione" of Edmondo De' Amicis, Carlo Collodi, and other significant Italian authors.

*Interdisciplinary Option:* European Studies, Italian Studies

*Outcomes:*

Students will demonstrate knowledge of Verga and verismo and of the works of other major late-19th century authors

**ITAL 319 Survey of 20th Century Prose (3 Credit Hours)**

This course, taught in Italian, will examine representative Italian novels of the 20th century by authors such as Svevo, Silone, Calvino, Bassani, P. Levi, and Ginzburg.

*Interdisciplinary Option:* European Studies, Global Studies, Italian Studies

*Outcomes:*

Students will demonstrate knowledge of Italian novelists and their prose and their literary style; Students will improve their Italian reading and writing skills

**ITAL 320 Survey of 20th Century Poetry (3 Credit Hours)**

This course will examine the major Italian poets of the twentieth century with emphasis on Ungaretti, Quasimodo, Montale, Pasolini, Zanzotto and Luzi. Students will demonstrate the ability to interpret Italian poetry and will write their own Italian poetry.

*Interdisciplinary Option:* Global Studies

*Outcomes:*

Students will demonstrate knowledge of Italian poetry and major 20th century poets

**ITAL 331 Survey of Italian Theater (3 Credit Hours)**

This course will examine representative works of Italian theater from the Renaissance to the present. Featured authors will include Machiavelli, Goldoni, Pirandello and Dario Fo.

*Interdisciplinary Option:* Italian Studies

*Outcomes:*

Students will demonstrate knowledge of Italian theater in its historical development; Students will demonstrate the ability to analyze Italian plays and act out famous scenes

**ITAL 340 Italian Short Story (3 Credit Hours)**

This survey course will examine representative works of the Italian short story tradition from the 13th century Novellino to the present.

*Interdisciplinary Option:* European Studies, Italian Studies

*Outcomes:*

Students will demonstrate knowledge of Italian short story in its historical development; Students will demonstrate the ability to analyze Italian short stories and will create their own

**ITAL 390 Culture & Civilization (3 Credit Hours)**

This course taught in Italian studies the Italy that has emerged since the World War II. examines contemporary Italian culture and society and the problems Italy faces through study of a variety written texts (literary, historical, journalistic) and media.

*Interdisciplinary Option:* European Studies, Global Studies, Italian American Studies, Italian Studies

*Course equivalencies:* X-ITAL390/INTS394

*Outcomes:*

Students will demonstrate knowledge of Italian society as it has been transformed over the past 60 years and will be able to understand the role of representative political and cultural figures and forces in promoting change

**ITAL 395 Internship (3 Credit Hours)**

The internship will enable students to gain practical experience in working in Italian government institutions in Chicago (such as the Italian Cultural Institute) or working in businesses or education.

*Interdisciplinary Option:* Italian Studies

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will work 4-8 per week and reflect on their experience in conversations with supervising professor and other interns



**ITAL 397 Topics in Italian Literature (3 Credit Hours)**

*Pre-requisites:* ITAL 270 and ITAL 271, with C or better; If either 270 or 271 have been completed, the other may be taken simultaneously with this course

This course explores a topic chosen by the instructor on any genre, tradition, and form in the literary history of Italy. The course may include literary expressions such as poetry, the short story, the novel, theatre, travel literature, etc., and may also consider different genres and periods.

*Outcomes:*

By the end of the course, students will be able to debate, contextualize, and interpret major critical issues in the study of Italian literature in expository writing and oral presentations; Achievement level desired: ACTFL\* Advanced Low to Advanced Medium

**ITAL 399 Italian Honors Tutorial (3 Credit Hours)**

*Pre-requisites:* Instructor's consent, restricted to students in Italian BA Eligible students majoring in Italian and with departmental honors may elect tutorial for credit; topic chosen in consultation with faculty member.

*Interdisciplinary Option:* Italian Studies

*Course equivalencies:* ITAL399H / ITAL399

*Outcomes:*

Students will explore a topic of their choice guided by a faculty member, and will conduct a research project that will result in a final paper; Achievement level desired: ACTFL\* Advanced Low to Advanced-Mid

**Italian American Studies (ITAS)****ITAS 101 Introduction to Italian American Studies (3 Credit Hours)**

The course provides a framework for understanding the processes by which Italian immigrants and their descendants became/become members of American society, developing complex ethnic identities while often retaining some affiliation and/or transnational relations with Italy. It addresses questions of class, race, gender, and multiculturalism in relation to the Italian-American experience.

*Interdisciplinary Option:* Italian Studies

*Outcomes:*

Interpret and contextualize the experience of Italian-Americans and their expressive culture through historical, sociological, and political perspectives, extrapolating from the particular (Italian-American experience) to the general (immigration, assimilation, American identity)

**ITAS 264 Italian Americans on Screen (3 Credit Hours)**

Through its survey of representations of Italians/Italian Americans, this course seeks to go beyond the stereotypical ways in which their cultures have been depicted in American film and television and to investigate how these images are often produced (and received) to ask questions about the development of American ethnicity.

*Outcomes:*

Students will acquire literacy in the analysis of moving image culture and understand how film and television not only represent the Italian-American experience, but also help to construct Italian-American identity

**ITAS 299 Explorations of the Italian Immigrant Experience (3 Credit Hours)**

This course will analyze the "close encounter" between emigrants of Italian origin and the American society at the turn of the 20th century. Students will be exposed to Historical, Sociological, Literary, Cinematic, Cultural studies, and will develop a final on-field research taking advantage of their stay in Italy.

*Outcomes:*

To learn how Italian migrants participated in building the US; to appreciate the contributions of Italian migrants to US culture, to use the time in Italy to explore Italian cultural roots

**Japanese (JAPN)****JAPN 101 Japanese I (3 Credit Hours)**

This course introduces the four basic communicative skills in Japanese: listening, speaking, reading, and writing. Students gain knowledge of Japanese culture and ways of thinking which provide the context for communicating in Japanese. No previous knowledge of Japanese is required.

*Interdisciplinary Option:* Asian Studies, Japanese Language and Culture

*Course equivalencies:* X-JAPN101/ASIAJ01

*Outcomes:*

Students will be able to understand and respond to greetings, introductions, and basic question about time, location, and directions and will be able to read and write hiragana and katakana, the two phonetic Japanese scripts as well as about 25 ideographic characters

**JAPN 102 Japanese II (3 Credit Hours)**

*Pre-requisites:* JAPN 101

Students will build on the skills in listening comprehension, speaking, reading and writing gained in JAPN 101.

*Interdisciplinary Option:* Asian Studies, Japanese Language and Culture

*Course equivalencies:* X-JAPN102/ASIAJ02

*Outcomes:*

Students will be able to introduce themselves and others, discuss daily life, and read and write simple paragraph length compositions with the aid of vocabulary lists

**JAPN 103 Japanese III (3 Credit Hours)**

*Pre-requisites:* JAPN 102

Students will expand their knowledge of Japanese vocabulary, grammar, usage, and speech levels, using Japanese as a medium for learning Japanese.

*Interdisciplinary Option:* Asian Studies, Japanese Language and Culture

*Course equivalencies:* X-JAPN103/ASIAJ03

*Outcomes:*

Students will use written and spoken Japanese to ask for and express opinions, to ask for assistance, and to participate in a variety of written and verbal social routines

**JAPN 104 Japanese IV (3 Credit Hours)**

*Pre-requisites:* JAPN 103

This course extends students' knowledge of Japanese grammar, vocabulary, verbal routines, and cultural patterns. Students will read and respond in Japanese to short works of fiction and non-fiction.

*Interdisciplinary Option:* Asian Studies, Japanese Language and Culture

*Course equivalencies:* X-JAPN104/ASIAJ04

*Outcomes:*

Students will converse in Japanese for extended periods and be able to decode and create many written items from daily life such as application forms, catalogs, and recipes

**JAPN 250 Composition & Conversation I (3 Credit Hours)**

Students gain mastery of intermediate Japanese grammar and increase their ability to use honorific and humble speech, with increasing use of Japanese as the medium of instruction.

*Interdisciplinary Option:* Asian Studies, Japanese Language and Culture

**JAPN 251 Composition & Conversation II (3 Credit Hours)**

This class is conducted mostly in Japanese with students developing the ability to read and discuss longer texts, including primary sources, to gain greater knowledge and understanding of Japan.

*Interdisciplinary Option:* Asian Studies, Japanese Language and Culture

## Latin (LATN)

### **LATN 101 Latin I (3 Credit Hours)**

This course introduces students to elementary grammatical forms, basic syntax, and vocabulary of Latin, and simple readings in the language.

*Course equivalencies:* LATN131/LATN101

*Outcomes:*

students should be able to demonstrate basic knowledge of Latin vocabulary, syntax and grammar and deploy it to be able to translate accurately simple Latin sentences and passages into English

### **LATN 102 Latin II (3 Credit Hours)**

*Pre-requisites:* LATN 101

This course continues the study of the fundamentals of the Latin language, including more vocabulary, grammar, syntax and more advanced readings. (Latin I or its equivalent is a prerequisite for this course.)

*Course equivalencies:* LATN132/LATN102

*Outcomes:*

students should be able to demonstrate advanced knowledge of basic Latin vocabulary, syntax and grammar and deploy it to be able to translate accurately more advanced Latin sentences and passages into English

### **LATN 271 Introduction to Reading Latin (3 Credit Hours)**

*Pre-requisites:* LATN 101, 102 (grade of 'B' or higher) or their equivalents (AP Latin credit; CAS Latin competency exam)

This intermediate-level course centers on translation of prose and poetry of Roman authors, with special emphasis on review of Latin grammar as it is encountered in the selected texts.

*Outcomes:*

Students will be able to translate selected passages of Latin prose and poetry with accuracy, analyze and appreciate Roman literature, and demonstrate understanding of the content of the passages

### **LATN 281 Intro to Roman Historians (3 Credit Hours)**

*Pre-requisites:* LATN 101 and 102 or their equivalents

This course centers on translation of representative selections from the historical works of Republican, Augustan and other Latin authors.

*Outcomes:*

Students should be able to translate accurately Latin historical prose passages, analyze and appreciate their style and contents, and demonstrate knowledge and understanding of their various contexts and meanings

### **LATN 283 The Age of Caesar (3 Credit Hours)**

*Pre-requisites:* LATN 101 and 102 or their equivalents

This course focuses on the literature and society of Rome at the time of Julius Caesar, in particular translation of selected readings from such authors as Lucretius, Catullus, Sallust, Caesar and Cicero.

*Interdisciplinary Option:* Shakespeare Studies

*Outcomes:*

Students should be able to translate accurately the selected readings, analyze and appreciate their style and content, and demonstrate knowledge and understanding of their contexts and meanings

### **LATN 284 The Age of Augustus (3 Credit Hours)**

*Pre-requisites:* LATN 101 and 102 or their equivalents

This course focuses on the literature and society of Rome at the time of Augustus. Selected readings are from such authors as Vergil, Horace, Livy, Ovid, Tibullus and Propertius.

*Outcomes:*

Students should be able to translate accurately the selected readings, analyze and appreciate their style and content, and demonstrate knowledge and understanding of their contexts and meanings

### **LATN 286 The Age of Nero (3 Credit Hours)**

*Pre-requisites:* LATN 101 and 102 or their equivalents

This course focuses on the literature and society of Rome at the time of Nero. Selected readings are from such authors as Tacitus, Petronius, Seneca, and Lucan.

*Outcomes:*

Students should be able to translate accurately the selected readings, analyze and appreciate their style and content, and demonstrate knowledge and understanding of their contexts and meanings

### **LATN 287 Age of Flavians (3 Credit Hours)**

*Pre-requisites:* LATN 101 and 102 or their equivalents

This course focuses on the literature and society of Rome at the time of the emperors Vespasian, Titus and Domitian. Selected readings are from such authors as Tacitus, Suetonius, Martial and Juvenal.

*Outcomes:*

Students should be able to translate accurately the selected readings, analyze and appreciate their style and content, and demonstrate knowledge and understanding of their contexts and meanings

### **LATN 289 Readings in Latin Literature (3 Credit Hours)**

*Pre-requisites:* LATN 101 and 102 or their equivalents

Students study a selected range of masterworks in Latin literature. (This is a special topics course in Latin.)

*Outcomes:*

Students should be able to demonstrate deeper knowledge and understanding of selected Latin literature, its style and its possible interpretations

### **LATN 303 Latin Composition (3 Credit Hours)**

*Pre-requisites:* LATN 101 and 102 or their equivalents

This course involves practical exercises to develop correct and fluent expression in written Latin prose.

*Outcomes:*

Students should be able to write Latin in various styles, demonstrating facility in deploying fluent knowledge of vocabulary, syntax and grammar in the writing of Latin prose

### **LATN 314 Cicero's Letters (3 Credit Hours)**

*Pre-requisites:* LATN 101 and 102 or their equivalents

This course examines the correspondence of Cicero, as well as the political, social, and intellectual context of Classical Rome.

*Outcomes:*

Students should be able to translate these works with proficiency, to demonstrate knowledge in detail of the genre of formal Latin correspondence, the author and his times, and to understand and appreciate the ideas, issues and concerns expressed in the letters

### **LATN 315 The Latin Fathers (3 Credit Hours)**

*Pre-requisites:* LATN 101 and 102 or their equivalents

This course examines the writings of the early church fathers, including such as Ambrose, Jerome and Augustine; it also comprises an introduction to the historical background of Western patristic thought.

*Interdisciplinary Option:* Catholic Studies

*Outcomes:*

Students should be able to translate these works with proficiency, demonstrate knowledge in detail of the writings, their authors and their times, and appreciate more deeply the issues and concerns located in these writings

**LATN 317 Pliny The Younger (3 Credit Hours)**

*Pre-requisites:* LATN 101 and 102 or their equivalents

This course examines the correspondence of the younger Pliny, as well as the political, social, and intellectual context of later Classical Rome and Roman customs in public and private life.

*Outcomes:*

Students should be able to translate these works with proficiency, demonstrate knowledge in detail of the genre, the author and his times, and understand and appreciate the ideas, issues and concerns expressed in the letters

**LATN 325 The Orations of Cicero (3 Credit Hours)**

*Pre-requisites:* LATN 101 and 102 or their equivalents

This course centers on the public orations of Cicero, his methods of oratorical persuasion, and the judicial processes of late Republican Rome that form the context for these orations.

*Outcomes:*

Students should be able to translate these works with proficiency, demonstrate knowledge in detail of the genre, the author and his times, understand and appreciate the ideas, issues and concerns expressed in the orations, and comprehend the historical and judicial background of the orations

**LATN 328 Quintilian (3 Credit Hours)**

*Pre-requisites:* LATN 101 and LATN 102 or their equivalents

This course centers on Quintilian and his *Institutio Oratoria*, a comprehensive textbook of the technical aspects of ancient rhetoric.

*Outcomes:*

Students should be able to translate these works with proficiency, demonstrate knowledge in detail of Latin rhetoric and oratory, and understand and appreciate Latin rhetorical styles, literary figures, and the structure and contents of Latin speeches

**LATN 332 Historical Masterworks I (3 Credit Hours)**

*Pre-requisites:* LATN 101 and 102 or their equivalents

This course examines the works of Livy or Sallust and their contexts in the later Republic and early Empire.

*Outcomes:*

Students should be able to translate these works with proficiency and demonstrate knowledge in detail of the author/s studied and the contents of the writings, as well as appreciation for the genre of historical writing and for its significance within its political and intellectual context

**LATN 335 Historical Masterworks II (3 Credit Hours)**

*Pre-requisites:* LATN 101 and 102 or their equivalents

This course examines the works of Tacitus, Suetonius or Latin historical writers of the later Roman Empire.

*Outcomes:*

Students should be able to translate these works with proficiency and demonstrate knowledge in detail of the author/s studied and the contents of the writings, as well as appreciation for the genre of historical writing and for its significance within its political and intellectual contexts

**LATN 341 Vergil (3 Credit Hours)**

*Pre-requisites:* LATN 101 and 102 or their equivalents

This course focuses on Vergil's *Aeneid* and the genre of Latin epic poetry, in particular, on the character of Aeneas and his place within the context of Augustan Roman politics and society.

*Outcomes:*

Students should be able to translate the *Aeneid* with proficiency, and demonstrate detailed knowledge of the author, the poem, and its contents and meanings, as well as deeper understanding and appreciation of various contexts of the poem and Vergil's accomplishments in composing it

**LATN 343 Latin Verse (3 Credit Hours)**

*Pre-requisites:* LATN 101 and 102 or their equivalents

The subject of this course is Latin poetic verse, including selections from Catullus, Horace, Martial, Statius and other Latin poets.

*Outcomes:*

Students should be able to translate the works with proficiency, and demonstrate knowledge in detail about the authors, their poetry, and the various poetic styles they employed, as well as deeper understanding and appreciation of the historical, social and intellectual contexts and influences pertaining to them

**LATN 344 Roman Elegy (3 Credit Hours)**

*Pre-requisites:* LATN 101 and 102 or their equivalents

The subject of this course is Latin elegiac poetry, including selections from Catullus, Tibullus, Propertius, and Ovid.

*Outcomes:*

Students should be able to translate Roman elegy with proficiency, and demonstrate knowledge in detail about the authors, their poetry, and Latin elegy, as well as deeper understanding and appreciation of the historical, social and intellectual contexts and influences pertaining to them

**LATN 345 Horace (3 Credit Hours)**

*Pre-requisites:* LATN 101 and 102 or their equivalents

This course focuses on selections of the odes, satires and epistles of Horace, set against the backdrop of late Republican and Augustan Rome.

*Outcomes:*

Students should be able to translate the selections of Horace with proficiency, and demonstrate knowledge in detail about the author, his poetry, the various styles he used, as well as deeper understanding and appreciation of the historical, social and intellectual contexts and influences pertaining to them

**LATN 346 Juvenal (3 Credit Hours)**

*Pre-requisites:* LATN 101 and 102 or their equivalents

This course focuses on the satires of Juvenal, set against the backdrop of Flavian Age Rome and the Roman Empire.

*Outcomes:*

Students should be able to translate the satires with proficiency, and demonstrate knowledge in detail about the author and his satires, as well as deeper understanding and appreciation of the historical, social and intellectual contexts and influences pertaining to them

**LATN 347 Early Christian Poetry (3 Credit Hours)**

*Pre-requisites:* LATN 101 and LATN 102 or their equivalents

This course centers on early Christian poets such as Ausonius, Prudentius and Fortunatus, and their works.

*Outcomes:*

Students should be able to translate the selected works with proficiency, and demonstrate knowledge in detail about the authors and their poems, as well as deeper understanding and appreciation of the historical, social, spiritual, and intellectual contexts of their works

**LATN 351 Roman Comedy (3 Credit Hours)**

*Pre-requisites:* LATN 101 and 102 or their equivalents

This course focuses on the genre of Roman comedy, including selected plays of Plautus and/or Terence.

*Interdisciplinary Option:* Shakespeare Studies

*Outcomes:*

Students should be able to translate selected texts in Roman comedy with proficiency and demonstrate knowledge in detail about the authors and their comedies, as well as deeper understanding and appreciation of the historical, social and intellectual contexts and influences pertaining to them

**LATN 360 Lucretius (3 Credit Hours)***Pre-requisites:* LATN 101 and 102 or their equivalents

This course centers on translation and understanding of the *De Rerum Natura* of Lucretius.

*Outcomes:*

Students should be able to translate the poetry of Lucretius with proficiency and demonstrate knowledge in detail about the author and his work, as well as deeper understanding and appreciation of the historical, social and intellectual contexts and influences pertaining to it

**LATN 361 St Augustine's Works (3 Credit Hours)***Pre-requisites:* LATN 101 and 102 or their equivalents

This course focuses on translation and understanding of the works of Saint Augustine.

*Interdisciplinary Option:* Catholic Studies*Course equivalencies:* LATN361/CATH361*Outcomes:*

Students should be able to translate these works with proficiency and be able to demonstrate knowledge in detail about the author and his works, as well as deeper understanding and appreciation of the historical, social and intellectual contexts and influences pertaining to them

**LATN 362 Cicero's Philosophical Works (3 Credit Hours)***Pre-requisites:* LATN 101 and 102 or their equivalents

This course focuses on translation and understanding of the philosophical works of the orator Cicero, including, for example, *De Amicitia*.

*Outcomes:*

Students should be able to translate the philosophical works of Cicero with proficiency and be able to demonstrate knowledge in detail about the author and his works, as well as deeper understanding and appreciation of the historical, social and intellectual contexts and influences pertaining to them

**LATN 364 Seneca (3 Credit Hours)***Pre-requisites:* LATN 101 and 102 or their equivalents

This course focuses on translation and understanding of the works of the philosopher and playwright, Seneca.

*Interdisciplinary Option:* Shakespeare Studies*Outcomes:*

Students should be able to translate the selected works of Seneca with proficiency and demonstrate knowledge in detail about the author and his works, as well as deeper understanding and appreciation of the historical, social and intellectual contexts and influences pertaining to them

**LATN 373 Workshop-Secondary School Latin (3 Credit Hours)***Pre-requisites:* LATN 101 and 102 or their equivalents

This course examines the objectives, standards, methods of presentation, testing, audiovisual aids, and desirable backgrounds for the teaching of Latin in secondary schools. This course is for prospective teachers of Latin and is taught in cooperation with Loyola's School of Education.

*Course equivalencies:* X-CIEP373/LATN373*Outcomes:*

Students should be able to demonstrate knowledge of these objective and standards, etc, as well as be able to employ them effectively in classroom contexts

**LATN 387 Medieval Latin (3 Credit Hours)***Pre-requisites:* LATN 101 and 102 or their equivalents

This course focuses on readings in medieval Latin prose and poetry, as well as on comparison with classical Latin style and content.

*Interdisciplinary Option:* Medieval Studies*Course equivalencies:* X-LATN387/MSTU384*Outcomes:*

Students should be able to translate the selected works of the course with proficiency, and demonstrate knowledge in detail about their authors, as well as deeper understanding and appreciation of the historical, social and intellectual contexts and influences pertaining to them

**LATN 388 Readings in Latin Literature (3 Credit Hours)***Pre-requisites:* LATN 101 and 102 or their equivalents

Students study a selected range of masterworks in Latin literature. (This is a special topics course in Latin.)

*Outcomes:*

Students should be able to translate the selected works with proficiency and demonstrate deeper knowledge and understanding of selected Latin literature, its style and its possible interpretations

**LATN 389 Readings in Latin Literature (3 Credit Hours)***Pre-requisites:* LATN 101 and 102 or their equivalents

Students study a selected range of masterworks in Latin literature. (This is a special topics course in Latin.)

*Outcomes:*

Students should be able to translate the selected works with proficiency and demonstrate deeper knowledge and understanding of selected Latin literature, its style and its possible interpretations

## Latin American Studies (LASP)

**LASP 196 Topics in Latin American Studies: Introductory (3 Credit Hours)**

This is the 100-level special topics course. It is interdisciplinary in nature, and it may cover a wide variety of issues and topics related to Latin America and to Latinos in the U.S.

*Outcomes:*

Students who successfully finish this class will be able to demonstrate understanding of the topics covered in class, as shown in exams, papers, and other assignments designed to evaluate students

**LASP 297 Special Topics (3 Credit Hours)**

This is the 200-level special topics course. It is interdisciplinary in nature, and it may cover a wide variety of issues and topics related to Latin America. Topics will vary from semester to semester.

**LASP 395 Capstone in Latin American Studies (3 Credit Hours)**

Topics in Latin American Studies. Completes the minor in Latin American studies. This tutorial course serves an integrative purpose, requiring the student to focus on a specific issue or theme in Latin American studies research. Each student completes a research project integrating Latin American studies and his/her major field.

*Interdisciplinary Option:* Global Studies, Latin American Studies*Course equivalencies:* LASP395/INTS395A**LASP 396 Topics in Latin American Studies-Advanced (3 Credit Hours)**

This is the advanced special topics course. It is interdisciplinary in nature, and it may cover a wide variety of issues and topics related to Latin America and to Latinos in the U.S.

*Outcomes:*

Students who successfully finish this class will be able to demonstrate a more complex and nuanced understanding of the topics covered in class, as shown in exams, papers, and other assignments designed to test students at an advanced level



## Linguistics (LING)

### LING 302 Methods of Teaching Foreign Language (3 Credit Hours)

This course is an introduction to the fields of Second Language Acquisition as well as Foreign Language Teaching.

*Outcomes:*

Students will gain a solid understanding of the underlying psychological processes of language acquisition, and how this knowledge is used in the design of pedagogical materials for the second/ foreign language classroom; Students will also receive pragmatic instruction in the teaching of the different linguistic skills

## Literature in Translation (LITR)

### LITR 161 Introduction to Italian Culture (3 Credit Hours)

This course introduces students to major social, artistic, and intellectual currents in the cultural history of Italy from antiquity to contemporary times. The overall goal is to reflect on how Italian culture has transcended the strict confines of its national origin to become a source of universal values and inspiration.

*Interdisciplinary Option:* European Studies, Global Studies, Italian American Studies, Italian Studies

*Outcomes:*

Students will be able to identify the historical roots of Italian cultural phenomena; Students will become familiar with differing traditions and cultural perspectives; Students will enhance their reading and critical thinking skills

### LITR 200 European Masterpieces (3 Credit Hours)

*Pre-requisites:* UCLR 100, UCLR 100C, UCLR 100E, UCLR 100M, or equivalent; please check requirements for declared majors/minors for exceptions

Major European literary texts will be examined in a historical and cultural context and in their transhistorical, universal aspects that make them masterpieces. Students will understand how literary masterpieces help us develop critical consciousness of our experience.

*Knowledge Area:* Tier 2 Literary Knowledge

*Interdisciplinary Option:* European Studies, Global Studies

*Course equivalencies:* LITR200/INTS200

### LITR 202 European Novel (3 Credit Hours)

*Pre-requisites:* UCLR 100, UCLR 100C, UCLR 100E, UCLR 100M, or equivalent; please check requirements for declared majors/minors for exceptions

This course will focus on major EUROPEAN novels.

*Knowledge Area:* Tier 2 Literary Knowledge

*Interdisciplinary Option:* European Studies, Global Studies

*Course equivalencies:* LITR202/INTS204

*Outcomes:*

Students will gain an overview of the literary production of representative EUROPEAN novelists studied in the historical and societal context

### LITR 203 European Drama (3 Credit Hours)

This course will focus on major European novels.

*Interdisciplinary Option:* European Studies, Global Studies

*Course equivalencies:* X-LITR203/INTS205

*Outcomes:*

Students will learn how drama enhances our understanding of human interaction, violence, social order and the margins of individual freedom

### LITR 204 European Film (3 Credit Hours)

This course will focus on major European films in order to give students an overview of the film production of representative European filmmakers studied in the historical and societal context.

*Interdisciplinary Option:* European Studies, Film & Digital Media Studies, Global Studies, International Film & Media Studies

*Course equivalencies:* X-LITR204/INTS206/IFMS205

*Outcomes:*

Students will gain an understanding of the distinctive aspects of the major European movements such as Italian neorealism, French new wave, New German Cinema and old and new Spanish surrealism

### LITR 211 Latina Authors (3 Credit Hours)

The course will examine the writings of Latina authors: women writers from diverse Hispanic backgrounds who make their home in the United States and publish their writings in a particular form of English full of offerings from standard Spanish, "street Spanish", regional speech, and Spanglish.

*Interdisciplinary Option:* Global Studies

*Course equivalencies:* LITR211/INTS207

*Outcomes:*

Students will gain an understanding of the principal thematic and formal differences and similarities that characterize today's writings by Latina authors

### LITR 219 African Film (3 Credit Hours)

This course will survey African film from the 1960s to the present, concentrating on the cinema of Francophone West Africa, the center of the African film industry.

*Interdisciplinary Option:* Film & Digital Media Studies, Global Studies, International Film & Media Studies

*Course equivalencies:* X-LITR219/INTS219/IFMS219

*Outcomes:*

Students will gain an understanding of the legacies of colonialism, identity formation, corruption and violence in post-colonial society, globalization, the positive and negative effects of tradition, and changing sex roles in modern Africa

### LITR 221 Polish Authors (3 Credit Hours)

This course focuses on the major Polish writers from the Renaissance through the Enlightenment and Romantic periods, and into the modern era.

*Interdisciplinary Option:* European Studies, Global Studies, Polish Studies

*Course equivalencies:* X-LITR221/INTS221

*Outcomes:*

Students will gain an understanding of the Polish cultural traditional and the basis of Polish cultural identity

### LITR 225 Russian Masterpieces (3 Credit Hours)

This course will study 18th, 19th, and 20th century Russian literature, including poetry, drama, and fiction.

*Interdisciplinary Option:* Global Studies

*Course equivalencies:* X-LITR225/INTS225

*Outcomes:*

Students will learn of the importance of Pushkin, Russia's most influential poet and about influential Russian psychological realists - Gogol, Turgenev, Dostoevsky, Tolstoy and Chekhov

**LITR 230 German Masterpieces (3 Credit Hours)**

Students will study German novels or other literary texts in which German authors explore their historical and human experience and reflect on the process of literary creation.

*Interdisciplinary Option:* European Studies, Global Studies

*Course equivalencies:* X-LITR230/INTS230

*Outcomes:*

Student will gain or enhance their abilities to examine the portrayal of human values in literary texts

**LITR 238 Arabic Literature in Translation (3 Credit Hours)**

*Pre-requisites:* UCLR 100, UCLR 100C, UCLR 100E, UCLR 100M, or equivalent; please check requirements for declared majors/minors for exceptions

This course is a survey of Arabic literature in translation with a focus on continuity and change, influence, and major trends, themes, and genres.

*Knowledge Area:* Tier 2 Literary Knowledge

*Interdisciplinary Option:* Arabic Language and Culture, Global Studies, Islamic World Studies

*Course equivalencies:* LITR238/INTS238/IWS238

*Outcomes:*

Students will gain a foundational knowledge of literature in the Arabic language

**LITR 243 South Asian Literature (3 Credit Hours)**

This course will explore literature originally written in languages of the Indian sub-continent such as Hindi, Urdu, Bengali, Assamese, or Tamil. Themes such as nationalism, the Partition experience, communal identities, gender and class may be highlighted.

*Interdisciplinary Option:* Asian Studies, Global Studies

*Course equivalencies:* X-LIT243/INTS243/ASIA243

*Outcomes:*

Students will gain an understanding of how social hierarchies, gendered structures, and religious differences are central issues in the historical and social evolution of South Asian nations

**LITR 244 Indian Film (3 Credit Hours)**

This course will provide an introduction to popular cinema (Bollywood), as well as regional and parallel cinema, to arrive at an assessment of the link between culture and nationalism in modern South Asia.

*Interdisciplinary Option:* Asian Studies, Film & Digital Media Studies, Global Studies, International Film & Media Studies

*Course equivalencies:* LITR244/INTS244/IFMS/ASIA244

*Outcomes:*

Students will be introduced to political and socio-cultural issues including religious, gender, and caste identities as reflected in and refracted through South Asian cinema; We will examine the conventions of popular cinema in contrast to the "realism" of parallel cinema

**LITR 245 Asian Masterpieces (3 Credit Hours)**

*Pre-requisites:* UCLR 100, UCLR 100C, UCLR 100E, UCLR 100M, or equivalent; please check requirements for declared majors/minors for exceptions

This course will study masterpieces of Asian literature in a variety of literary genres in their cultural context.

*Knowledge Area:* Tier 2 Literary Knowledge

*Interdisciplinary Option:* Asian Studies, Global Studies

*Course equivalencies:* X-LITR245/INTS245/ASIA245

*Outcomes:*

Students will gain a significant understanding of how Asian literary works reflect their Asian cultural context

**LITR 260 Italian Masterpieces (3 Credit Hours)**

This course will focus on major Italian literary works in order to give students an overview of the literary production of representatives, Italian poets and writers studied in the historical, art-historical and societal context.

*Interdisciplinary Option:* European Studies, Global Studies

*Course equivalencies:* LITR260/INTS260

*Outcomes:*

Students will understand how the importance of key authors in shaping the Italian cultural imagination and their great influence on European culture

**LITR 262 Modern Italian Novel (3 Credit Hours)**

This course will provide an introduction to the 20th century Italian novel and will examine literary works in the historical and societal context.

*Interdisciplinary Option:* European Studies, Global Studies

*Course equivalencies:* X-LITR262/INTS262

*Outcomes:*

Students will gain an understanding of the transformation of Italian society in the 20th century

**LITR 264 Italian Film Genre (3 Credit Hours)**

This course will feature celebrated films of the Italian comic tradition from the age of "commedia all'italiana" in the 1950's to the present.

*Knowledge Area:* Artistic Knowledge and Experience

*Interdisciplinary Option:* European Studies, Film & Digital Media Studies, Global Studies, International Film & Media Studies, Italian American Studies, Italian Studies

*Course equivalencies:* X-LITR264/INTS264/IFMS264

*Outcomes:*

Students will learn to understand and appreciate Italian comic films and gain insights into the Italian national character

**LITR 267 Italian Film History (3 Credit Hours)**

This course will focus on major Italian films in order to give students an overview of the development of representative Italian filmmakers studied in the historical and societal context.

*Interdisciplinary Option:* European Studies, Film & Digital Media Studies, Global Studies, International Film & Media Studies, Italian American Studies, Italian Studies

*Course equivalencies:* X-LITR267/INTS267/IFMS267

*Outcomes:*

Students will gain an understanding of the importance of film art in the Italian 20th and 21st century cultural traditions

**LITR 268 Italy: Cultural History (3 Credit Hours)**

This interdisciplinary, multimedia course provides a comprehensive view of Italian civilization from its origins in Classical Antiquity to the present, and includes an overview of the history of architecture and art from the Greco-Roman period and the Renaissance to the modern period as well as the study of Italian political, social, religious and cultural development through examination of key literary and other texts.

*Interdisciplinary Option:* European Studies, Global Studies, Italian American Studies, Italian Studies

*Course equivalencies:* X-LITR268/INTS268

*Outcomes:*

Students will develop a critical consciousness of the importance of a multidisciplinary panoramic overview of Italy's rich past as they explore the Italy of today

**LITR 268R Italian Culture: Food & Wine (3 Credit Hours)**

The course deals with the history of Italian cuisine and wines through centuries up to present day. It outlines the development and change of taste, how it has been affected and defined by historical events. A dynamic pattern of society is thus given by the intersections among history, culture, food and wines. The course will also offer on-site classes and guest speakers. Students will demonstrate an historical appreciation of the change in eating and drinking habits in modern Italy, and a knowledge of Italy's move towards a more ethnic and global taste.

*Interdisciplinary Option:* European Studies, Global Studies, Italian American Studies, Italian Studies

**LITR 280 World Masterpieces in Translation (3 Credit Hours)**

*Pre-requisites:* UCLR 100, UCLR 100C, UCLR 100E, UCLR 100M, or equivalent; please check requirements for declared majors/minors for exceptions

This course will study literary masterpieces, in translation, of a selected culture or nation.

*Knowledge Area:* Tier 2 Literary Knowledge

*Course equivalencies:* LITR280/INTS280

*Outcomes:*

Students will gain an appreciation of the literary masterpieces of another culture or nation

**LITR 283 Major Authors in Translation (3 Credit Hours)**

*Pre-requisites:* UCLR 100, UCLR 100C, UCLR 100E, UCLR 100M, or equivalent; please check requirements for declared majors/minors for exceptions

G3This course will study the works of selected authors, in translation, of a selected culture or nation.

*Knowledge Area:* Tier 2 Literary Knowledge

*Interdisciplinary Option:* Global Studies

*Course equivalencies:* LITR283/INTS283

*Outcomes:*

Students will gain an appreciation of the writings of authors of another culture or nation

**LITR 284 International Film (3 Credit Hours)**

This course will study selected films of a specific nation, region, or culture.

*Interdisciplinary Option:* Film & Digital Media Studies, Global Studies, International Film & Media Studies

*Course equivalencies:* X-LITR284/INTS284

*Outcomes:*

Students will gain an appreciation of the cinematic themes and techniques of another culture or nation

**LITR 287 Topics in Asian Literature (3 Credit Hours)**

This course introduces students to representative works of Asian literature within their cultural, historical, and aesthetic contexts.

*Interdisciplinary Option:* Global Studies

*Course equivalencies:* X-LITR287/INTS287

*Outcomes:*

Students will be able to analyze literary texts of a particular genre and write critical essays on the works read in the course

**LITR 290 Classical Chinese Literature (3 Credit Hours)**

This course is a survey of the classical Chinese literature from ancient time to the fall of Qing Dynasty.

*Interdisciplinary Option:* Chinese Language & Culture, Global Studies  
*Outcomes:*

Students will reach aesthetical appreciations and cultural understandings of classical Chinese literature, and grasp the styles and creative skills of different Chinese poets and writers; They will learn to read literary texts within their particular Chinese social, historical, cultural and mental contexts

**LITR 291 Italian & Italian-American Women Writers (3 Credit Hours)**

This course is a comparative study of 20th century Italian & Italian-American writers from different periods and geographic areas. What unites these writers in addition to their nationality and ethnicity is that the city of Rome played a central role in their development as artists. Special emphasis will be given to the construction of the female and male subject; ties among women, and the dynamic interplay of gender, politics, spirituality, etc.

*Interdisciplinary Option:* European Studies, Italian American Studies, Italian Studies, Women & Gender Studies

*Outcomes:*

To identify the differences between women and men who hail from different parts of Italy and different immigrant communities in America, while highlighting their common national heritage; To understand the city of Rome as having played a central role in literary history from the 19th century to the present

**LITR 292 Modern Chinese Fiction (3 Credit Hours)**

This course introduces selected fictional works by some of the most insightful writers of modern China. The course focuses on significant aspects of these works with an objective to enhance students' fascination with and skill in the reading and analysis of modern Chinese fiction. Knowledge of modern Chinese fiction will enable students to understand central aspects of 20th century Chinese culture.

*Knowledge Area:* Tier 2 Literary Knowledge

*Interdisciplinary Option:* Asian Studies, Chinese Language & Culture, Global Studies

*Course equivalencies:* X-LITR292/ASIA292/INTS290

*Outcomes:*

Students will be able to analyze literary texts of a particular historical period and write critical essays on works read in the course

**LITR 299 Comparative Literature (3 Credit Hours)**

This course will examine literary themes and problems of the instructor's choice in multiple literary traditions. Literary theory will be an important component of the course.

*Interdisciplinary Option:* Global Studies

*Course equivalencies:* X-LITR299/INTS299

**LITR 392 Theories of Myth (3 Credit Hours)**

This course surveys important models used to interpret the mythology of Classical Greece and Rome and other cultures.

*Course equivalencies:* X-CLST392/LITR392

*Outcomes:*

Students should be able to demonstrate a sophisticated understanding of different interpretive theories applicable to mythology, their advantages and limitations; They should be able to apply these theories and to demonstrate what learning may be derived from them

## Mathematical Sciences (MATH)

### **MATH 100 Intermediate Algebra (3 Credit Hours)**

*Pre-requisites:* Math Placement Test

This course covers the fundamentals of algebra, ranging from linear equations and their graphs through exponents and systems of equations.

*Course equivalencies:* ACMAT100/MATH100

*Outcomes:*

Students will receive the preparation needed to use algebra in other courses or, if they plan to take calculus, to enroll in Precalculus I

### **MATH 108 Real World Modeling with Mathematics (3 Credit Hours)**

This course investigates mathematical modeling applied to a variety of topics such as linear programming, coding information, probability and statistics, scheduling problems and social choice.

*Knowledge Area:* Quantitative Knowledge

*Outcomes:*

Students will understand the usefulness of mathematical modeling in a variety of disciplines within the life sciences, the social sciences, and business; This course satisfies the quantitative literacy requirement of the core curriculum

### **MATH 110 Business Precalculus (3 Credit Hours)**

*Pre-requisites:* (MATH100 or math placement of MATH117 or above) AND (Declared major in the Quinlan School of Business OR the ECON-BA Major)

A one-semester course in precalculus designed for business students. It includes the study of functions, their graphs, and their basic properties. Techniques for solving equations involving linear, quadratic, polynomial, exponential and logarithmic functions are explored, and ideas like inverse functions are developed. An emphasis is placed on business applications.

*Outcomes:*

Students will be able to work with and analyze polynomial, logarithmic and exponential functions using a variety of techniques and apply those skills in a variety of contexts, especially business applications

### **MATH 117 Precalculus I (3 Credit Hours)**

*Pre-requisites:* Math Placement Test or MATH 100

This course covers a variety of algebraic topics, including functions and their applications, graph transformations, composition and inverse functions, as well as polynomial and rational functions.

*Course equivalencies:* ACMAT 117/MATH 117

*Outcomes:*

Students who plan to study calculus will obtain the algebraic background needed to enroll in Precalculus II

### **MATH 118 Precalculus II (3 Credit Hours)**

*Pre-requisites:* Math Placement Test or MATH 117

This course covers topics ranging from exponential and logarithmic functions to trigonometric functions. It also considers applications of these topics in various settings.

*Course equivalencies:* MATH 118/ ACMAT 118

*Outcomes:*

Students will obtain the background needed to enroll in either of the department's calculus sequences

### **MATH 123 Topics (1-3 Credit Hours)**

Freshman Mathematics/Statistics Seminar (1-3 Credit Hours): A freshman seminar with no prerequisites on topics in the mathematical sciences drawn from algebra, geometry, statistics, and their applications.

### **MATH 130 Business Calculus (4 Credit Hours)**

*Pre-requisites:* (MATH110 or MATH118 or math placement of MATH131 or 161) AND (Declared major in the Quinlan School of Business OR the ECON-BA Major)

An introduction to calculus focused on business applications. The following topics are considered: modeling change using algebraic, exponential and logarithmic functions, derivatives, optimization, integration, functions of two variables, and partial derivatives.

*Outcomes:*

Students will understand and be able to use methods of calculus (especially differential calculus) and be able to apply these in a variety of contexts, especially business applications

### **MATH 131 Applied Calculus I (3 Credit Hours)**

*Pre-requisites:* Math Placement Test or MATH 118

An introduction to differential and integral calculus, with an emphasis on applications. This course is intended for students in the life and social sciences, computer science, and business. Topics include: modeling change using functions including exponential and trigonometric functions, the concept of the derivative, computing the derivative, applications of the derivative to business and life, social and computer sciences, and an introduction to integration.

*Interdisciplinary Option:* Bioinformatics, Forensic Science

*Outcomes:*

Students will obtain an understanding of calculus and methods for applying calculus (especially differential calculus), including modeling/analyzing processes (such as population growth and cooling), interpreting the derivative (numerical, graphical, and algebraic), and optimization (such as finding the time and level for a peak drug concentration)

### **MATH 132 Applied Calculus II (3 Credit Hours)**

*Pre-requisites:* MATH 131

This course is a continuation of MATH 131. Topics include: definition and interpretations of the integral (numerically, graphically, and algebraically), basic techniques for computing anti-derivatives, applications to probability, an introduction to multi-variable calculus and optimization for functions of several variables, and mathematical modeling using differential equations. (This course is not a substitute for MATH 162.)

*Interdisciplinary Option:* Bioinformatics, Forensic Science

*Outcomes:*

Students will obtain an understanding of integral and multi-variable calculus, including modeling/analyzing processes with the integral, optimization of functions of several variables, and modeling with differential equations

### **MATH 140L Geometry for Middle Grade Teachers (3 Credit Hours)**

The content covered in this course will include: Area, perimeter, volume, surface area, Properties of two and three dimensional figures, points, lines, planes, space, the Pythagorean theorem, transformations, fractals, tessellations, perspective drawings and informal proofs. The material covered will address Illinois Learning Standard Goal 7 and Goal 9 and related content performance descriptors for educators. The course is designed for Elementary education majors that wish to enhance, enrich and deepen their knowledge of Geometry and apply for a 6th-8th grade Mathematics endorsement from the State of Illinois. Mathematics Content Area Standards 7 (Measurement) and 9 (Geometry) from the Content-Area Standards for Educators document published by the Illinois State Board of Education will be emphasized.

*Outcomes:*

Students will obtain an understanding of the geometry topics taught in the middle grade mathematics curriculum



**MATH 141L Number Theory for Middle Grade Teachers (3 Credit Hours)**

Greatest common divisors, prime factorization, decimal fractions, continued fractions, primes, composite numbers, tests for divisibility, perfect numbers, polygonal numbers, numbers bases, and patterns in addition and multiplication tables are a sample of the topics covered. (Illinois Learning Standard Goal 6 and related performance descriptors). Appropriate use of technology (spread sheets, CAS, etc.) will also be addressed.

*Outcomes:*

Students will obtain an understanding of topics from Number Theory that are addressed in the middle grade mathematics curriculum

**MATH 142L History of Mathematics for Middle Grade Teachers (3 Credit Hours)**

This course will provide a thematic approach to the history of mathematics with emphasis on contributions by noted mathematicians, mathematical societies and scientists highlighting women and under-represented populations. The history of numbers and numerals, computation, geometry, algebra, trigonometry, calculus, and science patterns will be explored emphasizing the contributions of the Babylonian, Egyptian, Chinese, and Roman civilizations as well as such individuals as Euclid, Fermat, Archimedes, Kepler, Pythagoras, Euler, Hypatia, Sonjs Kovalevsky, Emmy Noether and others as appropriate. The influence of technology and its applications will also be presented as appropriate.

*Outcomes:*

Students will obtain a unique historical perspective on the various areas of mathematics that are studied in the middle grade mathematics curriculum

**MATH 143L Probability and Statistics for Middle Grade Teachers (3 Credit Hours)**

Data collection and display, simulations, surveys, probability and elementary statistics such as mean, median, mode, standard deviation, etc. will be the focus of this course (Illinois Learning Standard Goal 10) Appropriate techniques for graphing (scatter plots, histograms, regression, correlation) with and without technology will be a focus of this course.

*Outcomes:*

Students will obtain a background in the fundamentals of descriptive and inferential statistics, along with an understanding of their uses and misuses, as addressed in middle school mathematics curriculum

**MATH 147 Mathematics For Teachers I (3 Credit Hours)**

For course description, see CIEP 104.

This course satisfies the Engaged Learning requirement.

*Course equivalencies:* X-CIEP104/MATH147

**MATH 148 Mathematics For Teachers II (3 Credit Hours)**

For course description, see CIEP 105.

*Course equivalencies:* X-CIEP105/MATH148

**MATH 149 Intro to Computer Science For Teachers (3 Credit Hours)**

For prerequisite and description, see COMP 120.

*Course equivalencies:* X-COMP120/MATH149

**MATH 161 Calculus I (4 Credit Hours)**

*Pre-requisites:* Math Placement Test or MATH 118

This course provides a standard introduction to differential and integral calculus and covers topics ranging from functions and limits to derivatives and their applications to definite and indefinite integrals and the fundamental theorem of calculus and their applications.

*Interdisciplinary Option:* Bioinformatics, Forensic Science

*Course equivalencies:* ACMAT 161/MATH 161

*Outcomes:*

Students will obtain a theoretical understanding of principles of differential and integral calculus, will demonstrate computational skills in support of reasoning and interpretation, and will apply concepts such as the derivative and the integral to modeling processes; Students will be able to make use of a wide variety of techniques of differentiation

**MATH 162 Calculus II (4 Credit Hours)**

*Pre-requisites:* MATH 161

This course is a continuation of Calculus I and includes the calculus of various classes of functions, techniques of integration, applications of integral calculus, three-dimensional geometry, and differentiation and integration in two variables.

*Interdisciplinary Option:* Bioinformatics

*Course equivalencies:* ACMAT 162/MATH 162

*Outcomes:*

Students will obtain an understanding of techniques for finding anti-derivatives, and applications of the integral to questions in three-dimensional geometry and physics; Students will obtain conceptual understanding about functions of several variables and apply these concepts to optimization and integration questions for functions of two variables; Students will employ techniques for solving differential equations and their applications

**MATH 162A Calculus II, Alternate (4 Credit Hours)**

*Pre-requisites:* MATH 161

This course is a continuation of Calculus I and includes the calculus of various classes of functions, techniques of integration, applications of integral calculus, sequences and infinite series, and an introduction to differential equations. This course follows a traditional approach to calculus sequencing.

*Interdisciplinary Option:* Bioinformatics

*Outcomes:*

Students will obtain the background needed for further study in mathematics and to apply mathematics in the physical sciences

**MATH 170 Service Learning in Mathematics (3 Credit Hours)**

*Pre-requisites:* B+ or higher in any of the following (MATH 118 or MATH 131 or MATH 132 or MATH 161 or MATH 162 or MATH 263 or MATH 263A)

Students will learn best practices to communicate mathematical concepts and skills to diverse populations by engaging in tutoring mathematics to the undergraduate population at Loyola. This course is designed to promote and encourage engagement and rigor in mathematical concepts and skills among the diverse communities of learners at Loyola.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students in this course will deepen their understanding of mathematical concepts and skills and be able to communicate this effectively to diverse communities of learners

**MATH 201 Introduction to Discrete Mathematics & Number Theory (3 Credit Hours)***Pre-requisites:* MATH 161

This course covers topics from discrete mathematics and number theory, areas of mathematics not seen in calculus courses and abundant in applications, that provide students with the concepts and techniques of mathematical proof needed in 300 level courses in mathematics.

*Outcomes:*

Students will obtain an understanding of the basic concepts and techniques involved in constructing rigorous proofs of mathematical statements

**MATH 212 Linear Algebra (3 Credit Hours)***Pre-requisites:* MATH 132 or MATH 162 or MATH 162A

This course provides an introduction to linear algebra in abstract vector spaces with an emphasis on  $\mathbb{R}^n$ , covering topics such as Gaussian elimination, matrix algebra, linear independence and spanning, linear transformations and eigenvalues; software packages such as MAPLE may be used.

*Outcomes:*

Students will receive an introduction to abstract mathematics in a setting that encourages the thinking needed in more advanced mathematics courses

**MATH 215 Object-Oriented Programming with Mathematics (3 Credit Hours)***Pre-requisites:* MATH 132 or MATH 162 or MATH 162A

This is an introductory programming course for students interested in mathematics and scientific computing. Students will program primarily in a general object-oriented language such as Python, with supplementary exercises in a computer algebra system. Examples will be drawn primarily from applications of calculus, elementary number theory, and cryptography.

*Course equivalencies:* X-COMP215/MATH215*Outcomes:*

Students will learn basic scripting and object-oriented programming, with the goal of being able to solve mathematical and scientific problems

**MATH 263 Multivariable Calculus (4 Credit Hours)***Pre-requisites:* MATH 162

This course covers the differential and integral calculus of multivariable and vector valued functions, and sequences and infinite series, culminating with Green's Theorem, the Divergence Theorem, and Stokes' Theorem.

*Outcomes:*

Students will obtain an understanding of multivariable calculus and its applications, as well as background needed for the study of more advanced mathematics

**MATH 263A Multivariable Calculus, Alternate (4 Credit Hours)***Pre-requisites:* MATH 162A

This course covers the differential and integral calculus of multivariable and vector valued functions, culminating with Green's Theorem, the Divergence Theorem, and Stokes' Theorem. This course follows a traditional approach to calculus sequencing.

*Outcomes:*

Students will obtain an understanding of multivariable calculus and its applications, as well as background needed for the study of more advanced mathematics

**MATH 264 Ordinary Differential Equations (3 Credit Hours)***Pre-requisites:* MATH 263 or MATH 263A (Can also be a corequisite)

This course covers the theory, solution techniques, and applications surrounding linear and non-linear first- and second-order differential equations, including systems of equations.

*Outcomes:*

Students will obtain an understanding of elementary differential equations and their applications

**MATH 266 Differential Equations and Linear Algebra (3 Credit Hours)***Co-requisites:* MATH 263 or MATH 263A

This course provides an introduction to basic topics in ordinary differential equations and linear algebra. Topics include first and second-order differential equations, Laplace transform, systems of first-order differential equations, systems of linear algebraic equations, matrix algebra, bases and dimension for vector spaces, linear independence, linear transformations, determinants, eigenvalues, and eigenvectors.

*Prerequisites or**Outcomes:*

Students will learn fundamental results and methods in ordinary differential equations and linear algebra, with a strong emphasis on topics that are particularly relevant for Engineering Science

**MATH 277 Problem-Solving Seminar (1 Credit Hour)**

In a seminar setting, students discuss and present proofs (or computer examples) as solutions to regional and national mathematics contest problems usually involving techniques drawn from elementary logic, calculus of one and several variables, combinatorics, number theory, geometry, basic algebra, and abstract algebra. Learning Outcome: To improve a student's ability to communicate mathematically and to strengthen the student's problem-solving skills.

**MATH 298 Research Seminar in Mathematics (1 Credit Hour)***Pre-requisites:* MATH 162 or MATH 162A

A seminar-style course that covers various topics about how to conduct research in mathematical sciences while engaging students in active research projects with faculty mentors.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will obtain an initial insight into a number of areas of advanced study in mathematics

**MATH 301 History of Mathematics (3 Credit Hours)***Pre-requisites:* MATH 132 or MATH 162 or MATH 162A

This course explores selected topics in the history of mathematics ranging from Babylonian and Egyptian mathematics to Pythagoras and Euclid to the Hindu-Arabic numeration system to Newton and Leibniz to geometries other than Euclid's to the mathematical art of Escher.

*Outcomes:*

Students will obtain a unique historical perspective on the various areas of mathematics that they are studying in their other courses

**MATH 304 Introduction to Probability (3 Credit Hours)**

For prerequisites and description, see STAT 304.

*Course equivalencies:* X-MATH304/STAT304**MATH 305 Introduction to Mathematical Statistics (3 Credit Hours)**

For prerequisites and description, see STAT 305.

*Course equivalencies:* X-MATH305/STAT305**MATH 306 Intro to Stochastic Processes (3 Credit Hours)**

For prerequisites and description, see STAT 306.

*Course equivalencies:* X-MATH306/STAT306

**MATH 309 Numerical Methods (3 Credit Hours)**

*Pre-requisites:* (COMP 170 or COMP 215) and [(MATH 212 and MATH 264) or MATH 266]

An introduction to numerical techniques for solving mathematical problems where exact solutions are impractical or computationally intensive. Topics include numerical errors, root finding, interpolation and approximation, solutions to systems of linear equations, numerical differentiation and integration, numerical solutions to ordinary and partial differential equations, and other selected topics.

*Course equivalencies:* X-COMP309/MATH309

*Outcomes:*

Students will obtain an understanding of how numerical methods can be used in a variety of areas of mathematics

**MATH 313 Abstract Algebra (3 Credit Hours)**

*Pre-requisites:* MATH 201 and 212

This course provides a rigorous introduction to the study of structures such as groups, rings, and fields; emphasis is on the theory of groups with topics such as subgroups, cyclic groups, Abelian groups, permutation groups, homomorphisms, cosets, and factor groups.

*Outcomes:*

Students will be able to read, understand, and communicate arguments about group theory and abstract algebraic structures, preparing them for further advanced work in mathematics

**MATH 314 Advanced Topics Abstract Algebra (3 Credit Hours)**

*Pre-requisites:* MATH 313

This course studies advanced algebraic systems with an emphasis on rings and fields, culminating with the Galois theory of equations.

*Outcomes:*

Students will be able to read, understand, and communicate arguments about rings, fields and abstract algebraic structures, preparing them for further advanced work in mathematics

**MATH 315 Advanced Topics in Linear Algebra (3 Credit Hours)**

*Pre-requisites:* MATH 313

This course offers a rigorous abstract approach to vector spaces and transformations, including similarity, duality, canonical forms, inner products, bilinear forms, Hermitian and unitary spaces, and other selected topics.

*Outcomes:*

Students will obtain an understanding of advanced linear algebra structures that will prepare them for graduate level work in mathematics and industry work involving mathematics

**MATH 318 Combinatorics (3 Credit Hours)**

*Pre-requisites:* MATH 162 or MATH 162A

This course offers a rigorous introduction to combinatorics, including topics such as induction, the pigeon-hole principle, permutations, combinations, recurrence relations, generating functions, the inclusion-exclusion principle, and other selected topics.

*Outcomes:*

Students will obtain an understanding of the basic topics in combinatorics that will prepare them for advanced study of related topics in mathematics and computer science

**MATH 320 Mathematical Logic (3 Credit Hours)**

*Pre-requisites:* MATH 201

This course in modern mathematical logic begins with a study of propositional logic and leads to the study of first-order predicate logic, including quantifiers, models, syntax, semantics, the completeness and compactness theorems, and other selected topics.

*Outcomes:*

Students will develop a fuller understanding of mathematical logic and therefore of the underlying theory behind proofs of mathematical assertions

**MATH 322 Advanced Number Theory (3 Credit Hours)**

*Pre-requisites:* MATH 201

This course will cover Pythagorean triples, problems related to Fermat's Last Theorem, Pell's equation, Fermat's method of descent, primes in arithmetic progressions, Mersenne primes, perfect numbers, primitive roots, primality testing, Carmichael numbers, RSA public key encryption, quadratic residues, and quadratic reciprocity. Additional topics will be covered as time permits.

*Outcomes:*

Students will be able to solve important practical and theoretical number theory problems; Students will be exposed to both significant recently solved number theory problems and currently unsolved conjectures

**MATH 328 Algebraic Coding Theory (3 Credit Hours)**

*Pre-requisites:* MATH 212 or MATH 266

Codes with algebraic structure for error control are examined. Block codes including Hamming codes and Reed-Muller codes, BCH codes, and other cyclic codes and their implementation are treated. Other topics may include: convolutional codes, efficiency considerations, and Shannon's fundamental theorem of information theory.

*Course equivalencies:* X-MATH328/COMP328

**MATH 331 Cryptography (3 Credit Hours)**

*Pre-requisites:* Theoretical Foundations: MATH201 or COMP363; Programming Foundations: COMP125 or COMP150 or COMP170 or COMP/MATH 215

This course introduces the formal foundations of cryptography and also investigates some well-known standards and protocols, including private and public key cryptosystems, hashing, digital signatures, RSA, DSS, PGP, and related topics.

*Course equivalencies:* X-COMP331/MATH331

*Outcomes:*

Students will gain an understanding of cryptosystems widely used to protect data security on the internet, and be able to apply the ideas in new situations as needed

**MATH 344 Geometry (3 Credit Hours)**

*Pre-requisites:* MATH 212

This course discusses axiomatic systems which define geometries and includes topics from synthetic and analytic projective geometry.

*Outcomes:*

Students will obtain an understanding of the many different geometries that are studied by teachers and researchers

**MATH 345 Introduction to Financial Mathematics Derivatives (3 Credit Hours)***Pre-requisites:* (MATH 264 or MATH 266) and MATH 304

The course provides an introduction to the mathematical theory of option pricing. We will rigorously derive option relationships using no arbitrage conditions, introduce rudimentary stochastic calculus and Brownian motion as models for stock prices, and give an introduction to methods for solving partial differential equations to give explicit Black-Scholes formulas.

*Outcomes:*

The students will gain knowledge of the theory of options, bond and stock pricing, portfolio optimization, and will be exposed to other relevant applications of Mathematics to Finance

**MATH 351 Introduction to Real Analysis I (3 Credit Hours)***Pre-requisites:* MATH 201 and (MATH 263 or MATH 263A) and (MATH 212 or MATH 266)

An introduction to the topology of, and to the functions on the real line or more general metric spaces. Topics include sequences, including sequences of functions, completeness, compactness, continuity, uniform continuity, and differentiation.

*Outcomes:*

Students will obtain an understanding of the fundamentals of real analysis that will prepare them for advanced work in mathematics

**MATH 352 Introduction to Real Analysis II (3 Credit Hours)***Pre-requisites:* MATH 351

A continuation of MATH 351. Topics include Riemann integration, series, including series of functions, and select topics in continuity and differentiation of multivariable functions, fixed point, implicit and inverse function theorems.

*Outcomes:*

Students will obtain an understanding of topics in advanced analysis that will prepare them for graduate level work in mathematics

**MATH 353 Introduction to Complex Analysis (3 Credit Hours)***Pre-requisites:* (MATH 264 and MATH 266) and MATH 351

An introduction to the algebra and geometry of complex numbers, topology of the complex plane, and the theory of functions of a complex variable, including: analytic functions, contour integrals, the Cauchy integral formula, harmonic functions, Laurent series, residues and poles, the Fundamental Theorem of Algebra, and other selected topics.

*Outcomes:*

Students will obtain an understanding of the fundamentals of complex analysis that will prepare them for advanced work in mathematics

**MATH 355 Methods of Applied Mathematics (3 Credit Hours)***Pre-requisites:* MATH 264

Vector calculus, linear transformations, matrices, series solutions of differential equations, special functions; Fourier series, Fourier and Laplace transforms; Partial differential equations and topics from complex analysis, Green's functions, integral equations, the calculus of variations.

*Course equivalencies:* X-PHYS301/PHYS271/MATH355*Outcomes:*

Facility with mathematical methods used in sciences and engineering

**MATH 356 Introduction to Mathematical Modeling (3 Credit Hours)***Pre-requisites:* MATH 266 or (MATH 264 and MATH 212)

This course will teach students how to use various areas of mathematics, such as vector calculus, linear algebra, and/or differential equations, to formulate and analyze mathematical models in, for example, mechanics, physics, biology, economics, etc.

*Outcomes:*

Students will learn how to use the tools from previous mathematics classes to formulate models of real world phenomena

**MATH 358 Introduction to Optimization (3 Credit Hours)***Pre-requisites:* (MATH 162 or MATH 263A) and (MATH 212 or MATH 266)

The course is an introduction to linear, nonlinear, and integer optimization, and may include optimization on graphs, stochastic optimization, etc.

Modeling of real-life problems as optimization problems, mathematical analysis of resulting optimization problems, and computational approaches to solving the problems will be covered.

*Course equivalencies:* X-MATH358/STAT358*Outcomes:*

Students will learn how to recognize optimization problems, model real-life challenges as optimization problems, perform mathematical analysis of the problems, and solve the problems using computational tools

**MATH 360 Introduction to Game Theory (3 Credit Hours)***Pre-requisites:* MATH 162 or MATH 162A

The noncooperative and cooperative theories of games. Two person zero sum matrix games, nonzero sum N-person games, Nash equilibria of games with a continuum of strategies, auctions, duels. Cooperative game theory, including the theory of bargaining, the theory of fair allocation of rewards using the nucleolus and using the Shapley value.

*Outcomes:*

Students will obtain an understanding of the fundamentals of mathematical game theory and will be able to apply this knowledge in a variety of settings

**MATH 365 Introduction to Partial Differential Equations (3 Credit Hours)***Pre-requisites:* MATH 264 or MATH 266

This course provides an introduction to basic topics in partial differential equations (PDE). In addition to first order PDE, such as the transport equation, the main types of second order PDE, including the Laplace equation, the heat equation, and the wave equation, will be studied in detail.

*Outcomes:*

Students will learn fundamental results and methods in partial differential equations and their applications

**MATH 366 Applied Dynamical Systems (3 Credit Hours)***Pre-requisites:* MATH 266 Linear Algebra and Differential Equations or (MATH 264 Ordinary Differential Equations and MATH 212 Linear Algebra)

Modeling, analysis, and prediction of short-term and asymptotic behavior of dynamical systems is studied. Continuous-time and discrete-time dynamical systems are considered, and modeled by differential and difference equations, respectively. Motivation comes from biological, chemical, mechanical, and engineering systems. Students will learn how to model dynamical systems and predict their behavior.



**MATH 376 Formal Language & Automata (3 Credit Hours)**

*Pre-requisites:* COMP 163 or MATH 201 or MATH 212 or MATH 266

This course introduces formal language theory, including such topics as finite automata and regular expressions, pushdown automata and context-free grammars, Turing machines, undecidability, and the halting problem.

*Course equivalencies:* X-COMP376/MATH376

*Outcomes:*

An understanding of the theoretical underpinnings of computability and complexity in computer science

**MATH 386 Introduction to Topology (3 Credit Hours)**

*Pre-requisites:* MATH 201 and 212 This first course in topology discusses topological spaces, continuity, connectedness and path-connectedness, compactness, product spaces, quotient spaces, metric spaces, countability and separation axioms, and other selected topics  
No course description is available

*Outcomes:*

Students will obtain a background in topology that will allow them to apply this topic to other areas of mathematics or to pursue graduate studies

**MATH 388 Special Topics in Mathematics (1-3 Credit Hours)**

This course covers advanced topics in mathematics, including analysis, topology, algebra, applied mathematics, and logic.

*Outcomes:*

Students will obtain an understanding of an advanced topic in their major

**MATH 390 Advanced Research Seminar in Mathematics (2 Credit Hours)**

*Pre-requisites:* MATH 304/STAT 304 or MATH 313 or MATH 351

The seminar will cultivate students' presentation skills through participation in and critical discussion of brief lectures on familiar and unfamiliar topics; preparation and presentation of two brief lectures by the student (one on a familiar topic from the curriculum, one on a higher level material not customarily from the curriculum); and preparation of an extended abstract summarizing the advanced material presented.

*Outcomes:*

Students will gain the ability to present material in Mathematics and applications to a general audience

**MATH 395 Capstone Seminar (3 Credit Hours)**

*Pre-requisites:* MATH 313 Abstract Algebra, MATH 351 Introduction to Real Analysis I, and MATH 390 Undergraduate Seminar

The course unifies the knowledge gained in previous Mathematics courses and provides an opportunity for in-depth study and presentation of advanced material not usually covered in the standard Mathematics curriculum.

*Outcomes:*

Students will learn how to integrate previous knowledge in exploring new topics in Mathematics, discover applications to other disciplines, and refine their mathematical writing and presentation skills

**MATH 398 Independent Study (1-6 Credit Hours)**

This course allows students to engage in independent study on selected topics in mathematics under the supervision of a faculty member.

*Outcomes:*

Students will obtain an understanding of an advanced topic in their major

## Medieval Studies (MSTU)

**MSTU 300 Integrative Experience I (1.5 Credit Hours)**

This course is the first in a two-semester sequence of courses designed to provide students with a synoptic view of the field of Medieval Studies and train them to do cross-disciplinary work within that field.

*Interdisciplinary Option:* Medieval Studies

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will be able to produce original research on some topic pertaining to the Middle Ages that utilizes and integrates no less than two methodologies drawn from diverse disciplines

**MSTU 301 Integrative Experience II (1.5 Credit Hours)**

This course is the second in a two-semester sequence of courses designed to provide students with a synoptic view of the field of Medieval Studies and train them to do cross-disciplinary work within that field.

*Interdisciplinary Option:* Medieval Studies

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will be able to produce original research on some topic pertaining to the Middle Ages that utilizes and integrates no less than two methodologies drawn from diverse disciplines

## Modern Greek (MDGK)

**MDGK 101 Introduction to Modern Greek I (3 Credit Hours)**

This course develops basic skills in pronunciation, vocabulary, grammar, reading, listening comprehension and oral and written communication within the context of Greek culture.

*Outcomes:*

Students will learn to actively communicate in Greek, write simple sentences, read uncomplicated selections, understand spoken Greek in everyday contexts and gain an appreciation of contemporary Greece

**MDGK 102 Introduction to Modern Greek II (3 Credit Hours)**

*Pre-requisites:* MDGK 101

This course develops basic skills in pronunciation, vocabulary, grammar, reading, listening comprehension and oral and written communication within the context of Greek culture.

*Outcomes:*

Students will learn to actively communicate in Greek, making spontaneous use of structures and vocabulary studied, write simple sentences, read uncomplicated selections, understand spoken Greek in everyday contexts and gain an appreciation of contemporary Greece

## Military Science (MLSC)

**MLSC 101 Introduction to the Army (1 Credit Hour)**

*Pre-requisites:* This course is open to all students

MLSC 101 consists of both lecture and lab sections. Focuses on introduction to the Army and basic Soldier skills. Students receive an introduction to the Army Profession and examine what it means to be a professional in the U.S. Army.

*Outcomes:*

Understand the basic structure of the US Army and its customs and courtesies; Accept the Army as a Values-based organization and embrace the scholar-athlete-warrior ethos

**MLSC 102 Foundations of Leadership (1 Credit Hour)**

*Pre-requisites:* This course is open to all students

MLSC 102 consists of both lecture and lab sections. Introduces students to the personal challenges and competencies that are critical for effective leadership.

*Outcomes:*

Understand the basic structure of the US Army and its customs and courtesies; Accept the Army as a Values-based organization and embrace the scholar-athlete-warrior ethos

**MLSC 201 Leadership and Ethics (2 Credit Hours)**

*Pre-requisites:* This course is open to all students

MLSC 201 consists of both lecture and lab sections. Focuses on leadership and ethics. Adds depth to the student's knowledge of the different leadership styles.

*Outcomes:*

Student grounded in foundational leadership doctrine and skills, comprehends critical thinking, problem-solving, and value of diversity, understands the officer's role in leading change and the Army as a profession

**MLSC 202 Army Doctrine and Decision Making (2 Credit Hours)**

*Pre-requisites:* This course is open to all students

MLSC 202 consists of both lecture and lab sections. Focuses on Army doctrine and decision making. Begins with analytical techniques, creative thinking skills and the Army problem solving process as related to situations faced by leaders when making decisions.

*Outcomes:*

Student grounded in foundational leadership doctrine and skills, comprehends critical thinking, problem-solving, and value of diversity, understands the officer's role in leading change and the Army as a profession

**MLSC 250 Physical Readiness Training (1 Credit Hour)**

This course is designed to develop the fitness capabilities of future Army officers. Students will be introduced to and become proficient in the physical components of muscular strength, muscular endurance, aerobic endurance, anaerobic endurance, and power.

*Outcomes:*

Future Army officers ready to meet the physical demands of any duty or combat position, move lethally on the battlefield, accomplish the mission and continue to fight, win, and come home healthy

**MLSC 301 Training Management and the Warfighting Functions (3 Credit Hours)**

*Pre-requisites:* Restricted to ROTC students; MLSC 202 or departmental consent is required

MLSC 301 consists of both lecture and lab sections. Focuses on training management and the warfighting functions. Student will study, practice, and apply the fundamentals of Training Management and how the Army operates through the Warfighting Functions.

*Outcomes:*

Student who possesses enhanced individual and collective skills, effectively leads formations in various scenarios, effective at receiving and giving peer evaluations, committed and disciplined ethically, academically, physically, and socially

**MLSC 302 Applied Leadership in Small Unit Operations (3 Credit Hours)**

*Pre-requisites:* Restricted to ROTC students; MLSC 301 or departmental consent is required

MLSC 302 consists of both lecture and lab sections; focuses on applied leadership in small unit operations; analyze, test, and relate the fundamentals of direct level leadership and small unit tactics at the platoon level.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Student who possesses enhanced individual and collective skills, effectively leads formations in various scenarios, effective at receiving and giving peer evaluations, committed and disciplined ethically, academically, physically, and socially; Successful completion of this course will help prepare contracted Army ROTC students for the Cadet Summer Training Advance Camp, which students normally attend summer of junior year at Fort Knox, KY

**MLSC 311 The Army Officer (3 Credit Hours)**

*Pre-requisites:* Restricted to ROTC students

MLSC 302 or departmental consent is required. MLSC 311 consists of both lecture and lab sections. Focuses on development of the Army Officer. Students will learn about Army programs that support counseling subordinates and evaluating performance, values and ethics, career planning, and legal responsibilities.

*Outcomes:*

Produces a leader of character possessing a professional identity, who thrives in operationally ambiguous environments and is a moral exemplar and skilled critical thinker, problem solver, and team builder

**MLSC 312 Company Grade Leadership (3 Credit Hours)**

*Pre-requisites:* Restricted to ROTC students

MLSC 311 or departmental consent is required. MLSC 312 consists of both lecture and lab sections. Develop knowledge, skills, and abilities required of junior officers pertaining to the Army in Multidomain Operations and Company Grade Officer roles and responsibilities.

*Outcomes:*

Produces a leader of character possessing a professional identity, who thrives in operationally ambiguous environments and is a moral exemplar and skilled critical thinker, problem solver, and team builder; Successful completion of this course will assist in preparing contracted ROTC students for the Basic Officer Leadership Course-B and is a mandatory requirement for commissioning

**MLSC 399 Military History - Independent Study (3 Credit Hours)**

This is an online, independent study course and is open to all students.

This course provides students with a historical perspective into decisions made by American military leaders; challenges encountered as an Army officer - battlefield complexity, resource limitations, teamwork deficiencies - circumstances that are faced on the contemporary operational environment and are required to make an informed decision.

*Outcomes:*

Upon completing this course students will understand the history of the United States military, the decisions that have accompanied its changes and inevitably be a stronger and more decisive leader

## Music (MUSC)

### **MUSC 101 Music: Art of Listening (3 Credit Hours)**

Focus is on the acquisition and enhancement of listening skills through direct experience of musical works along with an examination of cross-cultural similarities and differences among musical styles. Concert attendance is required.

*Knowledge Area:* Artistic Knowledge and Experience

*Outcomes:*

A cultivation of musical perception through a process of repeated and guided listening; strengthening of listening skills while developing and expanding styles perspectives

### **MUSC 102 Class Piano for Beginners (3 Credit Hours)**

For the student who has never had keyboard instruction and is interested in learning the art of performance on the piano. Fundamentals of music theory, note reading and personal enjoyment are emphasized. Strongly recommended for those preparing to teach music in elementary school.

*Knowledge Area:* Artistic Knowledge and Experience

*Outcomes:*

A basic keyboard ability with an emphasis on reading music symbols accurately while also enjoying the making and doing of music

### **MUSC 103 Class Guitar for Beginners (3 Credit Hours)**

For the student who has never had guitar instruction and is interested in learning the art of performance on the guitar. Fundamentals of music theory, note reading and personal enjoyment are emphasized. Strongly recommended for those preparing to teach music in elementary school.

*Knowledge Area:* Artistic Knowledge and Experience

*Outcomes:*

A basic guitar ability with an emphasis on reading music symbols accurately while also enjoying the making and doing of music

### **MUSC 104 Gospel Choir (1 Credit Hour)**

Admission through audition. A mixed ensemble of singers performing primarily Gospel music (Spirituals, Blues, etc). Admission through audition. The choir participates in at least one public performance each semester. May be repeated to a limit of eight hours.

*Interdisciplinary Option:* African Studies and the African Diaspora

This course satisfies the Engaged Learning requirement.

*Course equivalencies:* X-MUSC104/BWS 104

*Outcomes:*

Students gain proper vocal/choral technique and knowledge of the musical literature offered each semester through rehearsal and performance; They reflect on their personal and collective artistic growth through the process

### **MUSC 105 Symphony Orchestra (1 Credit Hour)**

Admission through audition. The study and performance of standard orchestral literature. Students must provide their own instruments and should have previous ensemble experience. The ensemble gives at least two concerts each semester.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students gain proper instrumental technique and knowledge of the musical literature offered each semester through rehearsal and performance; Students reflect on their personal and collective artistic growth throughout the process

### **MUSC 106 Guitar Ensemble (1 Credit Hour)**

Admission through audition. For advanced guitarists. The study, rehearsal and performance of transcriptions and original works for guitar ensemble. Repertoire from the Renaissance through the present will be performed. Students must provide their own instruments. Gives at least one concert each semester.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students gain proper guitar technique and knowledge of the musical literature offered each semester through rehearsal and performance; Students reflect on their personal and collective artistic growth throughout the process

### **MUSC 107 Chorus (1 Credit Hour)**

University Chorus is a topics course in ensemble singing devoted to the study, rehearsal and performance of standard choral literature of all periods. Admission through audition. Gives at least two performances each semester. Some sections require audition for admission.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students improve their vocal/choral technique and knowledge of the musical literature through rehearsal and performance; They reflect on their personal and collective artistic growth throughout the performance process

### **MUSC 108 Liturgical Choir: Cantorum (1 Credit Hour)**

Admission through audition. An SATB ensemble providing music for the Sunday liturgies in Madonna della Strada Chapel and other university liturgical and choral functions and concerts. Repertoire includes both traditional and contemporary sacred music. Admission through audition. This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students gain proper vocal/choral technique and knowledge of the musical literature offered each semester through rehearsal and performance; Students reflect on their personal and collective artistic growth throughout the performance process

### **MUSC 109 Jazz Ensemble (1 Credit Hour)**

Admission through audition. Rehearsal and performance of standard Jazz and Big Band music. Members must have previous Jazz Band experience. Performs publicly at least twice each semester of the academic year.

*Interdisciplinary Option:* African Studies and the African Diaspora

This course satisfies the Engaged Learning requirement.

*Course equivalencies:* X-MUSC109/BWS 109

*Outcomes:*

Students improve instrumental technique and gain knowledge of the musical literature offered through rehearsal and performance; Students reflect on their personal and collective artistic growth throughout the performance process

### **MUSC 110 Wind Ensemble (1 Credit Hour)**

Admission through audition. The study and performance of standard wind ensemble literature. Students must provide their own instruments and should have previous ensemble experience. The ensemble gives at least two concerts each semester.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students improve instrumental technique and gain knowledge of the musical literature offered through rehearsal and performance; Students reflect on their personal and collective artistic growth throughout the performance process

**MUSC 111 Percussion Ensemble (1 Credit Hour)**

Enrollment Requirements: Audition and permission of the instructor. The study and performance of standard percussion ensemble literature. The ensemble gives at least two concerts each semester.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students improve instrumental technique and gain knowledge of the musical literature offered through rehearsal and performance; Students reflect on their personal and collective artistic growth throughout the performance process

**MUSC 112 Loyola University Technology Ensemble (1 Credit Hour)**

Loyola University Technology Ensemble (LUTE) is a performing ensemble with a composition & engineering component. Its primary instrumentation is electronic or electroacoustic, encompassing digital and analogue electronic instruments, live coding, circuit bending, and repurposing of devices or objects, etc. LUTE will appear in public at least once during each semester.

*Course equivalencies:* X-COMP 112/MUSC 112

*Outcomes:*

Collaborate to compose, engineer, and perform unique technology-driven musical experiences; design interface modules for electroacoustic performance; encode musical ideas in software or digital musical instruments; perform publicly

**MUSC 122 Introduction to Digital Music (3 Credit Hours)**

Computers and digital tools have been seeping into the world of music, and this course aims to explore this newly formed territory. This course is intended for students who wish to learn more about electronic music, signal processing, and algorithmic music composition. Understanding of the physics of musical sound and digital audio, facility with hands-on applications of algorithmic music composition and musicology, and ability to design and render digital instruments.

*Knowledge Area:* Quantitative Knowledge

*Course equivalencies:* X-COMP 122/MUSC 122

**MUSC 142 Class Voice for Beginners (3 Credit Hours)**

For the student who has never had voice instruction and is interested in learning the art of vocal performance. Fundamentals of music theory, note reading and personal enjoyment are emphasized. Strongly recommended for those preparing to teach in elementary school.

*Knowledge Area:* Artistic Knowledge and Experience

*Course equivalencies:* THTR242/THTR142/MUSC142

*Outcomes:*

A basic vocal ability with an emphasis on reading music symbols accurately while also enjoying the making and doing of music

**MUSC 144 Music Theory I (3 Credit Hours)**

*Co-requisites:* MUSC 145

An introduction to the fundamentals of melodic construction in all the diatonic modes (major/minor and modal) and culminates in control of two-part counterpoint. Melodies will be examined and broken down into their essential components. The class strengthens the basic musicianship skills of the student through performance of the students' written compositions illustrating the class concepts. Must be taken concurrently with MUSC 145.

*Outcomes:*

Through the study of melody students will develop an understanding of musical notation, the organization and color of all diatonic scales (major/minor and modal), interaction between intervals, transposition and its implications, rhythmic and beat structure, and begin developing critical analysis skills

**MUSC 145 Musicianship Lab I (1 Credit Hour)**

*Co-requisites:* MUSC 144

This course reinforces concepts presented in Music Theory I and introduces students to the basic concepts of sight singing, ear training and dictation. The voice is the class's primary focus. This course must be taken concurrently with MUSC 144.

*Outcomes:*

Recognize Music Theory I concepts by ear, dictate accurately those concepts, and recreate them on the voice and piano; Apply these concepts to student's primary instrument

**MUSC 153 The Music of China (3 Credit Hours)**

This course surveys the broad range of Chinese musical traditions as well as the practice of fieldwork, music theory and methodological issues encountered in Chinese music studies.

*Outcomes:*

Students will identify Chinese musical traditions throughout history and their connections to the Chinese language, history, cultural and religious studies and politics

**MUSC 154 Intro to Opera (3 Credit Hours)**

Survey of opera from 1600 to the present and consideration of opera as an art form which combines music and drama. Analysis of libretto structure and study of the variety of operatic styles are included.

*Course equivalencies:* X-MUSC154/THTR154

*Outcomes:*

Fundamental acquaintance with a wide selection of operatic literature and the principle eras of the European and American traditions

**MUSC 154R Introduction to Opera in Rome (3 Credit Hours)**

This course offers the student an overview of the development of opera in Europe with a particular emphasis on some of the most representative Italian operas and authors from the 17th to the 20th century. As the course considers opera as a cultural phenomenon, the historical, intellectual, political, social, religious and economic conditions that influenced the development of this art will be also examined.

*Knowledge Area:* Artistic Knowledge and Experience

*Interdisciplinary Option:* Italian Studies

*Course equivalencies:* X-MUSC154/THTR154

*Outcomes:*

Students will acquire the basic understanding the cultural phenomenon of opera and the style differences of different historical periods, as well as musical terms

**MUSC 155 Intro to Symphonic Music (3 Credit Hours)**

Survey of the principal forms of orchestral music from the Baroque to the present. Course will include: the symphony, concerto suite, overture, and symphonic poems. (Also offered at Rome Center.)

*Outcomes:*

Functional knowledge of the language and grammar of music through selected analysis and experience of specific symphonic literature

**MUSC 156 Intro to Jazz (3 Credit Hours)**

Survey of the development of jazz emphasizing the major trends and artists of this unique American style. Listening skills will be developed.

*Interdisciplinary Option:* African Studies and the African Diaspora

*Course equivalencies:* X-MUSC156/BWS 156

*Outcomes:*

Functional knowledge of the language and grammar of this uniquely American music through selected analysis and experience of specific jazz literature



**MUSC 157 America Popular Song (3 Credit Hours)**

Survey of American popular song from the early 19th century minstrel shows to the present. The evolution of this music and its relationship to society will be studied. Listening skills will be developed.

*Outcomes:*

Functional knowledge of the language and grammar of popular music through selected analysis and experience of specific repertoire

**MUSC 161 Music in United States (3 Credit Hours)**

An historical survey and guided listening experience of the evolution of music in the United States from the earliest inhabitants and settlers to the dawn of the 21st century. Special emphasis will be given to a selected era and/or music type.

*Outcomes:*

An understanding of the societal influences on the music of the United States and an appreciation of its music repertoire

**MUSC 185 Jazz Improvisation (3 Credit Hours)**

Previous basic understanding of theory and analysis is essential. Fundamentals will be expanded and enhanced through writing, listening and performing. An emphasis will be placed on learning the jazz language by ear. Students will also learn to read lead sheets and chord symbols, developing the ability to apply the jazz language to the repertoire.

*Outcomes:*

Appreciation for and ability to create and perform jazz improvisation

**MUSC 186 Jazz Arranging (3 Credit Hours)**

Fundamentals of composition and arranging will be expanded and enhanced through writing and listening. Students will learn information about the instrumentation of the big band, instrument ranges, and how to use software to make arrangements. Previous basic understanding of theory and analysis is essential.

**MUSC 201 Music Technology I (3 Credit Hours)**

This introductory course in Music Technology is designed to introduce students to MIDI orchestration, sequencing and digital audio editing. The course is designed to present software and hardware as tools for the creation of sound design as musical composition.

*Interdisciplinary Option:* Film & Digital Media Studies, International Film & Media Studies

*Outcomes:*

Demonstrate proficiency in using software as a musical instrument to orchestrate, perform and record

**MUSC 202 Class Piano II (3 Credit Hours)**

*Pre-requisites:* MUSC 102 or permission of the instructor

This applied group class is designed for students who have successfully completed MUSC 102, or have previously attained a similar level of proficiency. Emphasis is on a variety of styles and levels of keyboard repertoire to promote a balance of new information with musical material that reinforce concepts.

*Outcomes:*

Students will demonstrate basic keyboard skills, piano repertoire and musical styles, to express themselves musically at the piano

**MUSC 203 Class Guitar II (3 Credit Hours)**

*Pre-requisites:* MUSC 103 or permission of the department

This course is a continuation of (MUSC 103) or a previously attained equivalent level of study and musical skill development. Throughout the course students refine technical skills and music theory as applied to the guitar. Students perform in both solo and ensemble settings.

*Outcomes:*

Students will demonstrate an ongoing development of coordination skills, fingerboard knowledge, sight-reading skills, performance practices and intermediate repertoire knowledge

**MUSC 207 Chamber Choir (1 Credit Hour)**

Audition Required. An ensemble of advanced singers performing works written especially for the smaller choir. Performance of music from all historical periods suitable for this type of choir. The choir participates in at least two public performances each semester. Admission through audition. May be repeated for up to eight credit hours.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students gain knowledge of the musical literature offered through rehearsal and performance, while integrating proper vocal/choral technique; Students reflect on their personal and collective artistic growth throughout the performance process

**MUSC 244 Music Theory II (3 Credit Hours)**

*Pre-requisites:* MUSC 144; *Corequisite:* MUSC 245

An introduction to the fundamentals of harmonic progressions controlled through either expansion of a tonic-dominant phrase structure, elaborations of two-part counterpoint structures, or control of the three basic root motion models. Music will be analyzed using chord matrixes and reductions into two-part frameworks. The class strengthens the basic musicianship skills through performance students' compositions illustrating the class concepts. Must be taken concurrently with MUSC 245.

*Outcomes:*

Through the study of harmony students will develop an understanding of all chord types, root motion, cadence types, how tonal music expands upon the basic tonic-dominant phrase, voice leading techniques, and begins exploring the techniques of chromaticism and modulation; The class will also further develop the student's critical analysis skills

**MUSC 245 Musicianship Lab II (1 Credit Hour)**

*Co-requisites:* MUSC 244

Students build on basic voice and board skills acquired in Musicianship Lab I and reinforce concepts introduced in Music Theory II by recreating the concepts on the keyboard and voice. This course must be taken concurrently with MUSC 244.

*Outcomes:*

Recognize Music Theory II concepts by ear, dictate accurately those concepts, and recreate them on the voice and piano; Apply these concepts to student's primary instrument

**MUSC 246 Composition I (3 Credit Hours)**

Course deals with the study of music theory and simple and binary forms. In addition to that, students compose an original piece of music for two instruments that receives public performance.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Through the study of relevant music scores, students learn the principles of composition and instrumentation to then apply them to their own compositions

**MUSC 247 Composition II (3 Credit Hours)**

*Pre-requisites:* MUSC 246

This course deals with the study of melody, counterpoint, harmony, and shorter forms. In addition to the study of theory and form, students compose an original piece of music for two instruments that is presented professionally at a public performance.

*Outcomes:*

Through the study of related scores and with the supervision of instructor, students compose an original work for violin and piano or violoncello and piano

**MUSC 248 Jazz Composition and Arranging (3 Credit Hours)***Pre-requisites:* MUSC 144

A study of the harmonic, melodic, and rhythmic theories that lead to the ability to compose and arrange in the jazz idiom. Emphasis will be placed on common harmonic progressions, scale / chord relationships, melody, song forms, and extended harmony and reharmonization. Students will also learn the basic principles of arranging and music notation, culminating in a final composition and arranging project for jazz quintet.

*Outcomes:*

The ability to compose and arrange music for small jazz combos of up to two horns plus rhythm section

**MUSC 252 Music History I (3 Credit Hours)***Pre-requisites:* MUSC 144 and MUSC 145 or taken concurrently

European music from the Medieval to the early Baroque where vocal music dominated, and the study of counterpoint led to the birth of harmony.

*Interdisciplinary Option:* Catholic Studies, European Studies*Outcomes:*

Through listening, performance and study students demonstrate an understanding of how melodic composition gave rise to harmony and formed the foundation of Western music

**MUSC 255 Music in Catholic Worship (3 Credit Hours)***Pre-requisites:* MUSC 252

This course will trace the development of music in liturgy from Gregorian chant through Vatican II and to the present, examining repertoire and forms, musical and theological trends, and how music has been employed in the expression of the living prayer of the Roman Catholic Church through the centuries.

*Interdisciplinary Option:* Catholic Studies*Course equivalencies:* X-MUSC255/CATH255*Outcomes:*

Students can identify the major shifts and movements of music in the Catholic Church from the Middle Ages to the present, including the shifts represented by the Second Vatican Council

**MUSC 256 Jazz Music History (3 Credit Hours)**

This course is a historical and listening survey exploring the development of jazz music from its origins at the turn of the 20th century to the music of the present era. Many styles of jazz and a multitude of important musicians will be discussed, as well as important cultural and sociological aspects of the art form.

*Interdisciplinary Option:* Italian American Studies*Outcomes:*

Through listening, lecture, required reading, and concert attendance, the student will gain an understanding of the basic musical elements of jazz, it's musical and sociological contexts, and how these elements have developed and changed over the music's varied history

**MUSC 260 Conducting (3 Credit Hours)**

The student will acquire a personal conducting style through study and practical application and will develop the basic skills that make one an effective, well-rounded conductor.

*Outcomes:*

Students will demonstrate rudimentary skills of conducting: including conducting patterns, cues, score reading and analysis

**MUSC 261 Lyric Diction I: Italian and German (1 Credit Hour)**

This course will acquaint students with the rules of diction in the two major languages of classical singing, German and Italian. Students will gain both a theoretical understanding of the rules of diction and the practical ability to make the relevant sounds and sing in these languages. Concurrent enrollment in 280K Applied Music: Voice is required.

*Outcomes:*

To successfully transcribe Italian and German into IPA; To learn and produce all of the relevant sounds of German and Italian; To sing in German and Italian with accurate diction

**MUSC 262 Lyric Diction II: French and Other Languages (1 Credit Hour)**

This course will acquaint the student with the rules of French, English and Latin. Students will gain both a theoretical understanding of the rules of diction and the practical ability to make relevant sounds and sing in these languages. Concurrent enrollment in 280K Applied Music: Voice is required.

*Outcomes:*

To successfully transcribe French, English and Latin texts into IPA; To learn to produce all of the relevant sounds of French; To sing in French, English and Latin with accurate diction

**MUSC 280A Applied Music: Clarinet (1 Credit Hour)**

Twelve 30-minute individual lessons in clarinet. Performance opportunities including studio classes, Honors Recital, and an end-of-semester jury. May be repeated for up to 8 credit hours.

*Outcomes:*

Functional to advanced performance ability based on technical and musical development

**MUSC 280AA Applied Music: Conducting (1 Credit Hour)***Pre-requisites:* MUSC 144, MUSC 145, MUSC 244, MUSC 245, MUSC 260

Twelve 30-minute individual lessons in conducting. Topics include: baton techniques, gestural mechanics, ear training, score study, transpositions, orchestration basics, phrasing, and chord recognition. Choral, orchestral, or wind band considerations will be explored in greater detail, according to the background of the student.

*Outcomes:*

Advanced skills in conducting both small and large ensembles, score study, rehearsal, and concert programming

**MUSC 280B Applied Music: Percussion (1 Credit Hour)**

Twelve 30-minute individual lessons in percussion. Performance opportunities including studio classes, Honors Recital, and an end-of-semester jury. May be repeated for up to 8 credit hours.

*Outcomes:*

Functional to advanced performance ability based on technical and musical development

**MUSC 280BB Applied Music: Improvisation (1 Credit Hour)***Pre-requisites:* MUSC 144, 145, 244, 245, 185, 385

Twelve 30-minute individual lessons in improvisation. Building upon a strong theoretical foundation attained from the prerequisite courses, students receive focused instruction on the harmonic, melodic, and rhythmic theories that lead to the ability to improvise. Students may study with any of the jazz faculty regardless of their primary instrument.

*Outcomes:*

Students will learn to improvise over intermediate to advanced tunes in the jazz repertoire

**MUSC 280C Applied Music: Oboe (1 Credit Hour)**

Twelve 30-minute individual lessons in oboe. Performance opportunities including studio classes, Honors Recital, and an end-of-semester jury. May be repeated for up to 8 credit hours.

*Outcomes:*

Functional to advanced performance ability based on technical and musical development

**MUSC 280E Applied Music: Trumpet (1 Credit Hour)**

Twelve 30-minute individual lessons in trumpet. Performance opportunities including studio classes, Honors Recital, and an end-of-semester jury. May be repeated for up to 8 credit hours.

*Outcomes:*

Functional to advanced performance ability based on technical and musical development

**MUSC 280F Applied Music: Saxophone (1 Credit Hour)**

Twelve 30-minute individual lessons in saxophone. Performance opportunities including studio classes, Honors Recital, and an end-of-semester jury. May be repeated for up to 8 credit hours.

*Outcomes:*

Functional to advanced performance ability based on technical and musical development

**MUSC 280G Applied Music: Guitar (1 Credit Hour)**

Twelve 30-minute individual lessons in classical or electric guitar. Performance opportunities including studio classes, Honors Recital, and an end-of-semester jury. May be repeated for up to 8 credit hours.

*Outcomes:*

Functional to advanced performance ability based on technical and musical development

**MUSC 280I Applied Music: Organ (1 Credit Hour)**

Twelve 30-minute individual lessons in organ. Performance opportunities including studio classes, Honors Recital, and an end-of-semester jury. May be repeated for up to 8 credit hours.

*Outcomes:*

Functional to advanced performance ability based on technical and musical development

**MUSC 280J Applied Music: Piano (1 Credit Hour)**

Twelve 30-minute individual lessons in piano. Performance opportunities including studio classes, Honors Recital, and an end-of-semester jury. May be repeated for up to 8 credit hours.

*Outcomes:*

Functional to advanced performance ability based on technical and musical development

**MUSC 280K Applied Music: Voice (1 Credit Hour)**

Twelve 30-minute individual lessons in voice. Performance opportunities including studio classes, Honors Recital, and an end-of-semester jury. May be repeated for up to 8 credit hours.

*Outcomes:*

Functional to advanced performance ability based on technical and musical development

**MUSC 280L Applied Music: Violin (1 Credit Hour)**

Twelve 30-minute individual lessons in violin. Performance opportunities including studio classes, Honors Recital, and an end-of-semester jury. May be repeated for up to 8 credit hours.

*Outcomes:*

Functional to advanced performance ability based on technical and musical development

**MUSC 280M Applied Music: Flute (1 Credit Hour)**

Twelve 30-minute individual lessons in flute. Performance opportunities including studio classes, Honors Recital, and an end-of-semester jury. May be repeated for up to 8 credit hours.

*Outcomes:*

Functional to advanced performance ability based on technical and musical development

**MUSC 280N Applied Music: Cello (1 Credit Hour)**

Twelve 30-minute individual lessons in cello. Performance opportunities including studio classes, Honors Recital, and an end-of-semester jury. May be repeated for up to 8 credit hours.

*Outcomes:*

Functional to advanced performance ability based on technical and musical development

**MUSC 280O Applied Music: Double Bass (1 Credit Hour)**

Twelve 30-minute individual lessons in double bass. Performance opportunities including studio classes, Honors Recital, and an end-of-semester jury. May be repeated for up to 8 credit hours.

*Outcomes:*

Functional to advanced performance ability based on technical and musical development

**MUSC 280P Applied Music: Viola (1 Credit Hour)**

Twelve 30-minute individual lessons in viola. Performance opportunities including studio classes, Honors Recital, and an end-of-semester jury. May be repeated for up to 8 credit hours.

*Outcomes:*

Functional to advanced performance ability based on technical and musical development

**MUSC 280Q Applied Music: Horn (1 Credit Hour)**

Twelve 30-minute individual lessons in horn. Performance opportunities including studio classes, Honors Recital, and an end-of-semester jury. May be repeated for up to 8 credit hours.

*Outcomes:*

Functional to advanced performance ability based on technical and musical development

**MUSC 280R Applied Music: Trombone (1 Credit Hour)**

Twelve 30-minute individual lessons in trombone. Performance opportunities including studio classes, Honors Recital, and an end-of-semester jury. May be repeated for up to 8 credit hours.

*Outcomes:*

Functional to advanced performance ability based on technical and musical development

**MUSC 280S Applied Music: Harp (1 Credit Hour)**

Twelve 30-minute individual lessons in harp. Performance opportunities including studio classes, Honors Recital, and an end-of-semester jury. May be repeated for up to 8 credit hours.

*Outcomes:*

Functional to advanced performance ability based on technical and musical development

**MUSC 280U Applied Music: Drum Set (1 Credit Hour)**

Twelve 30-minute individual lessons in drum set. Performance opportunities including studio classes, Honors Recital, and an end-of-semester jury. May be repeated for up to 8 credit hours.

*Outcomes:*

Functional to advanced performance ability based on technical and musical development

**MUSC 280V Applied Music: Tuba (1 Credit Hour)**

Twelve 30-minute individual lessons in tuba. Performance opportunities including studio classes, Honors Recital, and an end-of-semester jury. May be repeated for up to 8 credit hours.

*Outcomes:*

Functional to advanced performance ability based on technical and musical development

**MUSC 280Y Applied Music: Bassoon (1 Credit Hour)**

Twelve 30-minute individual lessons in bassoon. Performance opportunities including studio classes, Honors Recital, and an end-of-semester jury. May be repeated for up to 8 credit hours.

*Outcomes:*

Functional to advanced performance ability based on technical and musical development

**MUSC 280Z Applied Music: Composition (1 Credit Hour)**

*Pre-requisites:* MUSC 144, 244, 145, 245; 246 or 248

Twelve 30-minute individual lessons. Building upon a strong theoretical foundation attained from the prerequisite courses, students receive focused instruction to develop original compositions from concept to completion. Idioms, genres, forms, instrumentation, and other considerations will vary from student to student. May be repeated for up to 8 credit hours.

*Outcomes:*

The ability to more fully develop original musical ideas into completed, and professionally notated, compositions

**MUSC 289 Chamber Ensemble (1 Credit Hour)**

Admission by audition. Small group applied music study through ensemble playing. One or more public performance is required. This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students gain knowledge of the musical literature offered and improve their ensemble playing skills through rehearsal and performance; Students reflect on their personal and collective artistic growth throughout the performance process

**MUSC 290 Jazz Combo (1 Credit Hour)**

Small group applied jazz music study through ensemble playing. One or more public performance is required. Enrollment Conditions: Audition and permission of the instructor

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students gain knowledge of the musical literature and improve their ensemble playing skills through rehearsal and performance; Students reflect on their personal and collective artistic growth throughout the performance process

**MUSC 320 Rehearsal and Performance (1 Credit Hour)**

This course allows students to receive credit for performing in an on-campus production during the semester. Completion and submission of a journal or paper is required. Permission of department is required. This course satisfies the Engaged Learning requirement.

**MUSC 326 Digital Music Programming (3 Credit Hours)**

*Pre-requisites:* COMP/MUSC 122, MUSC 201, COMP 125, COMP 150, COMP 170, or permission of instructor

This course is an exploration of coding for music applications.

Topics include digital audio and synthesis theory and basic, musical data structures, and principles of computer music composition and interactivity. Students will design synthesis and sampling instruments, algorithmic music generators, signal processors, and interactive control systems using one or more music programming languages.

*Course equivalencies:* X-COMP 326/MUSC 326

*Outcomes:*

Create software modules for processing digital audio, MIDI, and generative music; develop interactive interfaces; export applications or modules; produce a portfolio of creative projects in areas of real-time audio/MIDI processing

**MUSC 333 Music and Ritual in Catholic Liturgical Life (3 Credit Hours)**

Drawing both from liturgical documents and the ritual texts themselves, this course explores how the theology and spirituality of our Catholic tradition are expressed in the music, liturgies, and rituals of the Roman Catholic Church.

*Outcomes:*

Students are conversant with the components, structure, and musical elements of the Catholic liturgy and how the Mass interacts with the spiritual and cultural lives of the faithful

**MUSC 344 Music Theory III (3 Credit Hours)**

*Pre-requisites:* MUSC 244 or permission of chair

Study of large compositional forms and the extended harmonic vocabulary of music of the 19th century. Continued development of aural, keyboard, sight-singing, compositional and analytical skills in class, computer lab and small group sessions.

*Outcomes:*

Expansion and deepening of knowledge of the language and grammar of music and their interaction; Ability to use this understanding in both written and aural analysis and to form and defend evaluative judgments about music

**MUSC 345 Music Theory IV (3 Credit Hours)**

*Pre-requisites:* MUSC 344 or permission of chair

Continued examination of the structural aspects of music with a focus on contrapuntal forms. Study of the compositional vocabularies of 20th century music. Continued development of aural, keyboard, sight-singing, compositional and analytical skills in class, computer lab and weekly skills sessions.

*Outcomes:*

Expansion and deepening of knowledge of the language and grammar of music and their interaction; Ability to use this understanding in both written and aural analysis and to form and defend evaluative judgments about music

**MUSC 347 Composition III (3 Credit Hours)**

*Pre-requisites:* MUSC 247

Course provides students with the ability to compose an original work for string quartet and examines larger forms, chromatic harmony, extended tonality, and modern techniques.

*Outcomes:*

Through the writing of original music and the study of related scores students demonstrate an understanding of musical forms and techniques and the ability to compose music for string quartet



**MUSC 353 Music History II (3 Credit Hours)***Pre-requisites:* MUSC 244 and MUSC 245

A new shared musical language spreads through Europe during the Baroque through Romantic period giving rise to the best known composers of Western music.

*Interdisciplinary Option:* European Studies*Course equivalencies:* MUSC353 / MUSC253*Outcomes:*

Students demonstrate an understanding of how composers developed music during this common practice period to create some of the most well known works of the Western cannon

**MUSC 354 Music History III (3 Credit Hours)***Pre-requisites:* MUSC 244 and MUSC 245

Composers in the modern era turn to innovative and foreign influences as technological developments allow the Western musical tradition to spread throughout the world.

*Course equivalencies:* MUSC354 / MUSC254*Outcomes:*

Students are able to identify and articulate the many musical innovations and movements that helped turn Western music into a global force of expression

**MUSC 363 Foundations of Vocal Technique and Pedagogy (3 Credit Hours)**

This course will acquaint students with the basics of anatomy and physiology associated with singing technique, including the anatomy of the larynx, the structure of posture and breathing, and the physics of resonance. Additional topics will include vocal registers, healthy use of voice, and the basics of vocal instruction. Recognize healthy modes of phonation across musical styles. Learn to structure a voice lesson.

*Outcomes:*

Identify the major anatomical structures used in singing and their function

**MUSC 364 Vocal Repertoire (3 Credit Hours)**

This course covers a broad spectrum of vocal repertoire from 1600 to the present. Emphasis will be given to the application of stylistic conventions and the development of effective performance skills, culminating in public performance.

*Outcomes:*

To gain knowledge of important vocal repertoire and history; To develop the creative capacity to perform vocal music of different styles and eras

**MUSC 365 Vocal Performance Workshop (3 Credit Hours)**

The class aims to develop students' ability to deliver compelling performances on the musical stage. The first portion of the semester is focused on gaining and applying theoretical knowledge of acting for the singer. The second portion of the class focuses on preparing and performing opera/musical scenes.

*Outcomes:*

Acquire foundational skills in acting for singers / Learn basics of stagecraft for musical production / Perform operatic and/or musical theatre scenes

**MUSC 370 The Business of Music (3 Credit Hours)**

The Business of Music will offer a broad overview as to how the music industry works and provide insight into various career options. The course will include weekly discussions on current events in the music industry as they occur and feature a host of guest speakers. Students will also learn about the recording industry, music publishing, and the digital music world.

*Outcomes:*

An understanding of careers in the areas of performance, composition, production, management, education, and radio

**MUSC 374 Musical Theatre Repertoire (4 Credit Hours)**

This capstone repertoire course synthesizes musical theatre history, theory and performance. It is designed to develop students' ability to perform vocally, dramatically and physically within the canon of musical theatre repertoire. It culminates in a musical theatre showcase which features student performance of the repertoire learned in class. This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will demonstrate an understanding of the history of musical theatre performance by comparing the work of significant composers, directors and choreographers and demonstrate understanding of the intrinsic requirements for effective synthesis of vocal, dramatic and dance performance

**MUSC 380A Applied Music Advanced: Clarinet (1 Credit Hour)**

Twelve 60-minute individual lessons in clarinet. Performance opportunities including studio classes, Honors Recital, and an end-of-semester jury. May be repeated for up to 8 credit hours.

*Outcomes:*

Functional to advanced performance ability based on technical and musical development

**MUSC 380AA Applied Music Advanced: Conducting (1 Credit Hour)***Pre-requisites:* MUSC 144, MUSC 145, MUSC 244, MUSC 245, MUSC 260

Twelve 60-minute individual lessons in conducting. Topics include: baton techniques, gestural mechanics, ear training, score study, transpositions, orchestrational basics, phrasing, and chord recognition. Choral, orchestral, or wind band considerations will be explored in greater detail, according to the background of the student.

*Outcomes:*

Advanced skills in conducting both small and large ensembles, score study, rehearsal, and concert programming

**MUSC 380B Applied Music Advanced: Percussion (1 Credit Hour)**

Twelve 60-minute individual lessons in percussion. Performance opportunities including studio classes, Honors Recital, and an end-of-semester jury. May be repeated for up to 8 credit hours.

*Outcomes:*

Functional to advanced performance ability based on technical and musical development

**MUSC 380BB Applied Music Advanced: Improvisation (1 Credit Hour)***Pre-requisites:* MUSC 144, 145, 244, 245, 185, 385

Twelve 60-minute individual lessons in improvisation. Building upon a strong theoretical foundation attained from the prerequisite courses, students receive focused instruction on the harmonic, melodic, and rhythmic theories that lead to the ability to improvise. Students may study with any of the jazz faculty regardless of their primary instrument.

*Outcomes:*

Students will learn to improvise over intermediate to advanced tunes in the jazz repertoire

**MUSC 380C Applied Music Advanced: Oboe (1 Credit Hour)**

Twelve 60-minute individual lessons in oboe. Performance opportunities including studio classes, Honors Recital, and an end-of-semester jury. May be repeated for up to 8 credit hours.

*Outcomes:*

Functional to advanced performance ability based on technical and musical development

**MUSC 380E Applied Music Advanced: Trumpet (1 Credit Hour)**

Twelve 60-minute individual lessons in trumpet. Performance opportunities including studio classes, Honors Recital, and an end-of-semester jury. May be repeated for up to 8 credit hours.

*Outcomes:*

Functional to advanced performance ability based on technical and musical development

**MUSC 380F Applied Music Advanced: Saxophone (1 Credit Hour)**

Twelve 60-minute individual lessons in saxophone. Performance opportunities including studio classes, Honors Recital, and an end-of-semester jury. May be repeated for up to 8 credit hours.

*Outcomes:*

Functional to advanced performance ability based on technical and musical development

**MUSC 380G Applied Music Advanced: Guitar (1 Credit Hour)**

Twelve 60-minute individual lessons in classical or electric guitar. Performance opportunities including studio classes, Honors Recital, and an end-of-semester jury. May be repeated for up to 8 credit hours.

*Outcomes:*

Functional to advanced performance ability based on technical and musical development

**MUSC 380I Applied Music Advanced: Organ (1 Credit Hour)**

Twelve 60-minute individual lessons in organ. Performance opportunities including studio classes, Honors Recital, and an end-of-semester jury. May be repeated for up to 8 credit hours.

*Outcomes:*

Functional to advanced performance ability based on technical and musical development

**MUSC 380J Applied Music Advanced: Piano (1 Credit Hour)**

Twelve 60-minute individual lessons in piano. Performance opportunities including studio classes, Honors Recital, and an end-of-semester jury. May be repeated for up to 8 credit hours.

*Outcomes:*

Functional to advanced performance ability based on technical and musical development

**MUSC 380K Applied Music Advanced: Voice (1 Credit Hour)**

Twelve 60-minute individual lessons in voice. Performance opportunities including studio classes, Honors Recital, and an end-of-semester jury. May be repeated for up to 8 credit hours.

*Outcomes:*

Functional to advanced performance ability based on technical and musical development

**MUSC 380L Applied Music Advanced: Violin (1 Credit Hour)**

Twelve 60-minute individual lessons in violin. Performance opportunities including studio classes, Honors Recital, and an end-of-semester jury. May be repeated for up to 8 credit hours.

*Outcomes:*

Functional to advanced performance ability based on technical and musical development

**MUSC 380M Applied Music Advanced: Flute (1 Credit Hour)**

Twelve 60-minute individual lessons in flute. Performance opportunities including studio classes, Honors Recital, and an end-of-semester jury. May be repeated for up to 8 credit hours.

*Outcomes:*

Functional to advanced performance ability based on technical and musical development

**MUSC 380N Applied Music Advanced: Cello (1 Credit Hour)**

Twelve 60-minute individual lessons in cello. Performance opportunities including studio classes, Honors Recital, and an end-of-semester jury. May be repeated for up to 8 credit hours.

*Outcomes:*

Functional to advanced performance ability based on technical and musical development

**MUSC 380O Applied Music Advanced: Double Bass (1 Credit Hour)**

Twelve 60-minute individual lessons in double bass. Performance opportunities including studio classes, Honors Recital, and an end-of-semester jury. May be repeated for up to 8 credit hours.

*Outcomes:*

Functional to advanced performance ability based on technical and musical development

**MUSC 380P Applied Music Advanced: Viola (1 Credit Hour)**

Twelve 60-minute individual lessons in viola. Performance opportunities including studio classes, Honors Recital, and an end-of-semester jury. May be repeated for up to 8 credit hours.

*Outcomes:*

Functional to advanced performance ability based on technical and musical development

**MUSC 380Q Applied Music Advanced: Horn (1 Credit Hour)**

Twelve 60-minute individual lessons in horn. Performance opportunities including studio classes, Honors Recital, and an end-of-semester jury. May be repeated for up to 8 credit hours.

*Outcomes:*

Functional to advanced performance ability based on technical and musical development

**MUSC 380R Applied Music: Advanced Trombone (1 Credit Hour)**

Twelve 60-minute individual lessons in trombone. Performance opportunities including studio classes, Honors Recital, and an end-of-semester jury. May be repeated for up to 8 credit hours.

*Outcomes:*

Functional to advanced performance ability based on technical and musical development

**MUSC 380S Applied Music Advanced: Harp (1 Credit Hour)**

Twelve 60-minute individual lessons in harp. Performance opportunities including studio classes, Honors Recital, and an end-of-semester jury. May be repeated for up to 8 credit hours.

*Outcomes:*

Functional to advanced performance ability based on technical and musical development

**MUSC 380U Applied Music Advanced: Drum Set (1 Credit Hour)**

Twelve 60-minute individual lessons in drum set. Performance opportunities including studio classes, Honors Recital, and an end-of-semester jury. May be repeated for up to 8 credit hours.

*Outcomes:*

Functional to advanced performance ability based on technical and musical development

**MUSC 380V Applied Music Advanced: Tuba (1 Credit Hour)**

Twelve 60-minute individual lessons in tuba. Performance opportunities including studio classes, Honors Recital, and an end-of-semester jury. May be repeated for up to 8 credit hours.

*Outcomes:*

Functional to advanced performance ability based on technical and musical development

**MUSC 380Y Applied Music Advanced: Bassoon (1 Credit Hour)**

Twelve 60-minute individual lessons in bassoon. Performance opportunities including studio classes, Honors Recital, and an end-of-semester jury. May be repeated for up to 8 credit hours.

*Outcomes:*

Functional to advanced performance ability based on technical and musical development

**MUSC 380Z Applied Music Advanced: Composition (1 Credit Hour)**

*Pre-requisites:* MUSC 144, 244, 145, 245; 246 or 248

Twelve 60-minute individual lessons. Building upon a strong theoretical foundation attained from the prerequisite courses, students receive focused instruction to develop original compositions from concept to completion. Idioms, genres, forms, instrumentation, and other considerations will vary from student to student. May be repeated for up to 8 credit hours.

*Outcomes:*

The ability to more fully develop original musical ideas into completed, and professionally notated, compositions

**MUSC 385 Jazz Improvisation II (3 Credit Hours)**

*Pre-requisites:* MUSC 185 Jazz Improvisation

A continued study of the harmonic, melodic, and rhythmic theories that lead to the ability to improvise in the jazz genre. Emphasis is on ear training, listening, extended harmony, motivic development, rhythm, and scale /chord relationships.

*Outcomes:*

Students will be able to construct bass lines, build four-part chordal accompaniment at the piano, and improvise melodies and improvise over intermediate to advanced tunes in the jazz

**MUSC 386 Orchestration (3 Credit Hours)**

*Pre-requisites:* MUSIC 144 or permission of chair

Immersion in the art of writing for the instruments of the orchestra in order to understand and write /arrange music for the indigenous capability of each instrument while achieving desired sound effects.

*Outcomes:*

Ability to score effectively for every instrumental family and also to write/ arrange music for any instrumental ensemble

**MUSC 387 Solo Recital: MUSC Capstone (1-4 Credit Hours)**

*Pre-requisites:* Department's permission and audition

Preparation and presentation of a full-length, balanced program by memory in one's major area of performance. This may be taken twice for credit.

*Outcomes:*

For the performance-oriented student, the capstone of 4 years of applied study as well as fulfillment of an experience required by graduate schools for performance majors

**MUSC 388 Lecture/Recital: MUSC Capstone (3 Credit Hours)**

*Pre-requisites:* Music Major only

A directed studies capstone experience course. Project proposal must be approved by the course advisor by the end of the first week of the semester. A Public presentation of the project is required. Examples of appropriate capstone projects include, a performance of a composition, paper presentation, digital music design for a commercial product, conduct a chamber ensemble or the creation of a music installation. This course satisfies the Engaged Learning requirement.

*Outcomes:*

Synthesize previous course work into a public presentation in the students' area of interest

**MUSC 389 Topics in Music (1-9 Credit Hours)**

Specific course titles and content will vary. May be taken as directed study under the supervision of a designated faculty member for independent or small group research in special areas of interest. Because of variations described, students may repeat the course for a total of six hours.

*Outcomes:*

Opportunity to experience a music elective which is not ordinarily in the music offerings and thus enables individual enhancement of unique interests

**MUSC 394 Internship in Music (1-6 Credit Hours)**

Music students complete a semester long internship providing an opportunity to use their technical, research or organizations skills in a professional setting. Students must complete and reflect upon 50 hours of internship experience per credit hour that is pre-approved by the Department of Fine and Performing Arts. Department permission required. No more than 6 credit hours of Internship or Fieldwork can be applied to the major.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students gain professional experience working at a music organization while reflecting on their work experience and applying theories and techniques acquired from their music courses

**MUSC 397 Fieldwork in Chicago - Music (1-6 Credit Hours)**

Variable credit (1-6 hours) given for performances or projects undertaken with professional music organizations outside the university. Students keep a journal and write evaluative papers. Permission of the Department of Fine and Performing Arts Required. Repeatable for up to 6 credit hours, however no more than 6 credit hours can be applied towards the major. This course satisfies the Engaged Learning requirement.

*Outcomes:*

Specific outcomes and credit hours to be assigned to be determined by the student in consultation with the Director of Music and the project supervisor

**MUSC 399 Independent Study (1-6 Credit Hours)**

*Pre-requisites:* written permission of chairperson

Independent study projects may be of various kinds and in any recognized area of the theatre arts. Such projects should be done under the close supervision of a music faculty member.

*Outcomes:*

Specific outcomes and credit hours assigned to be determined by the student in consultation with the chairperson and theatre faculty supervisor

## Neuroscience (NEUR)

**NEUR 101 Introduction to Neuroscience (3 Credit Hours)**

*Pre-requisites:* None; Recommended: BIOL 101 and PSYC 101

This course will introduce students to basic concepts and the variety of topics in the field of neuroscience, including neuroanatomy (gross and cellular), physiology, neural basis of behavior, malfunctions due to disease and injury, and methods used to study these areas laying a foundation for advanced coursework in neuroscience.

*Interdisciplinary Option:* Neuroscience

*Course equivalencies:* X-BIOL 202/PSYC202/NEUR 101

*Outcomes:*

Knowledge of the organization of the nervous system, cellular events that underlie emotions, learning, and behavior, and awareness of classical and modern methods for advancing the field

**NEUR 300 Seminar in Neuroscience (1 Credit Hour)**

*Pre-requisites:* NEUR 101 with grade of C- or better

The seminar introduces students to the interdisciplinary nature of modern neuroscience with an emphasis on the various neuroscience research activities that take place at Loyola University Chicago, and reviews current neuroscience research topics. NEUR 300 is cross-listed with BIOL 303.

*Interdisciplinary Option:* Neuroscience

*Course equivalencies:* X-BIOL303/NEUR300

*Outcomes:*

Students will demonstrate understanding of the interdisciplinary and multidisciplinary nature of modern neuroscience, and the research questions and experimental approaches used at the Lakeshore and Medical Center campuses; Students will complete one midterm essay and one final essay exam that will reflect their understanding of the topics discussed in the seminars

**NEUR 301 Laboratory in Neuroscience I (4 Credit Hours)**

*Pre-requisites:* NEUR 101, BIOL 251; and students must be either a Molecular/Cellular Neuroscience Major, a Cognitive/Behavioral Neuroscience major, or a Neuroscience Minor

Students will be trained in various anatomical, physiological, behavioral, and neurobiological modeling techniques used to study the nervous system and the brain in the laboratory. This course is cross-listed as NEUR 301 & PSYC 388.

*Interdisciplinary Option:* Neuroscience

*Course equivalencies:* X-NEUR301/PSYC388/BIOL373

*Outcomes:*

Students will demonstrate understanding of several research designs and methodologies of use in neuroscience research and will gain experience with basic neuroscience laboratory techniques

**NEUR 302 Laboratory in Neuroscience II (3 Credit Hours)**

*Pre-requisites:* NEUR 301

Students will receive additional training and experience in specialized laboratory methods and techniques used by Loyola faculty in their Neuroscience research. This experience will help prepare them to contribute creatively to neuroscience research. Students will be assessed as to the quality of 3 items: 1) a written proposal for the independent research project; 2) a 'meeting quality' scientific poster; and 3) a written 'publication quality' scientific paper summarizing the work done for the independent research project.

*Interdisciplinary Option:* Neuroscience

*Course equivalencies:* X-BIOL374/NEUR302/PSYC389

*Outcomes:*

Students will have the opportunity to conduct independent research projects in faculty and student laboratories

## Peace Studies (PAX)

**PAX 201 Peace Studies Overview (3 Credit Hours)**

A general introduction to peace studies as an area of inquiry. Students identify concrete social justice issues and their relevance to domains of societal, international and ecological spheres of violence and address literature on nonviolence or limited use of violence through a critical research paper and other course applications.

*Interdisciplinary Option:* Interreligious and Interfaith Studies, Peace, Justice, and Conflict Studies

**PAX 390 Directed Readings in Peace Studies (3 Credit Hours)**

An independent program of reading and research developed in consultation with a supervising faculty member and the PAX director. It usually includes a review of the peace studies literature in the student's major field, with a final research project that integrates the student's major with peace studies.

*Interdisciplinary Option:* Peace, Justice, and Conflict Studies

**PAX 397 Special Topics in Peace Studies (3 Credit Hours)**

Topics relating to peace and justice issues as taught on occasion at the upper level in other departments.

**PAX 398 Practicum in Peace Studies (3 Credit Hours)**

*Pre-requisites:* permission of PAX director

Supervised field experience in a social justice- or peace-related program or project.

*Interdisciplinary Option:* Peace, Justice, and Conflict Studies

## Philosophy (PHIL)

**PHIL 130 Philosophy & Persons (3 Credit Hours)**

This course introduces students to the fundamental philosophical issues that bear on our understanding of persons in three equally weighted components, namely, Persons & Knowledge, Persons & Values, and Persons & Reality.

*Knowledge Area:* Foundational Philosophical Knowledge

*Course equivalencies:* PHIL120/130/180/ACPHI130

*Outcomes:*

Students will be able to explain a claim to truth, to explain theories of value in human life, and to describe theories of the metaphysical nature of human persons

**PHIL 180 Being Human: Philosophical Perspectives (3 Credit Hours)**

The course examines the way philosophy looks for fundamental characteristics that identify life as a properly human life, asks about its ultimate meaning or purpose, and raises questions about what counts as a good life.

*Course equivalencies:* PHIL120/130/180/ACPHI130

*Outcomes:*

Students will be able to demonstrate understanding of the various approaches of the philosophical question of what it means to be human

**PHIL 181 Ethics (3 Credit Hours)**

This course is a general introduction to ethics and moral philosophy.

*Knowledge Area:* Ethics

*Course equivalencies:* PHIL 181 / PHIL 281 /ACPHI 281

*Outcomes:*

Students will be able to demonstrate understanding of criteria for choosing between conflicting ethical theories, moral disagreement, the justification of moral judgments, and the application of ethical standards to practical decision-making and ethical questions that arise in everyday life

**PHIL 182 Social and Political Philosophy (3 Credit Hours)**

This course will investigate one of the central questions of philosophy and social theory: how we, as human beings, should live together.

*Knowledge Area:* Ethics

*Course equivalencies:* PHIL162/182/262/282/ACPHI205

*Outcomes:*

Students will be able to demonstrate understanding of the major philosophical questions in the area of social philosophy with attention to the historical and conceptual development of these questions and be able to articulate some of the major problems and responses central to this area of philosophy



**PHIL 190 Loyola's Mission: The Philosophical Vision (3 Credit Hours)**

Enrollment is limited to transfer students with 30 or more credit hours. The course introduces transfer students to the mission of LUC, especially "Transformative Education," by means of the methodology of philosophy."

*Outcomes:*

Students who take the course acquire an intellectual and experiential assimilation of LUC's mission, especially as it relates to "Transformative Education"

**PHIL 191 Traditional Chinese Philosophy (3 Credit Hours)**

Students will investigate Chinese ancient philosophy in a way to let its own tendencies be sensed and appreciated. Topics include Confucianism, Mencius, Sunzi, Taoism, Legalism, Yin-Yang School, Tung Chung-shu, Chinese Buddhism and Neo-Confucianism. In addition, students learn about the relations among different schools or different thinkers in the same school. Comparisons between Chinese philosophies and western ones are encouraged.

*Knowledge Area:* Tier 2 Philosophical Knowledge

*Interdisciplinary Option:* Asian Studies, Chinese Language & Culture

*Course equivalencies:* X-PHIL191/ASIA191

**PHIL 192 Chinese Ethics and Asian Values (3 Credit Hours)**

This course offers an overview of the spirit of Chinese ethics, covering sacred and secular as well as intellectual and practical elements.

*Knowledge Area:* Tier 2 Philosophical Knowledge

*Interdisciplinary Option:* Asian Studies, Chinese Language & Culture, Global Studies

*Course equivalencies:* X-PHIL192/ASIA192/INTS192

**PHIL 193 Contemporary Chinese Philosophy (3 Credit Hours)**

Students will analyze the development of Chinese contemporary thought in its different stages: rejection of the tradition and its recent reevaluation.

*Interdisciplinary Option:* Asian Studies, Global Studies

*Course equivalencies:* X-PHIL193/ASIA193/INTS193

**PHIL 262 Social & Political Philosophy - Civic Engagement (3 Credit Hours)**

*Pre-requisites:* PHIL 130

This course will investigate one of the central questions of philosophy and social theory: how we, as human beings, should live together.

Because it includes a service learning experience it satisfies the civic engagement core requirement.

This course satisfies the Engaged Learning requirement.

*Course equivalencies:* PHIL162/182/262/282/ACPHI205

*Outcomes:*

Students will be able to demonstrate understanding of the major philosophical questions in the area of social philosophy with attention to the historical and conceptual development of these questions, and be able to articulate some of the major problems and responses central to this area of philosophy

**PHIL 263 Contemporary Ethical Issues - Civic Engagement (3 Credit Hours)**

*Pre-requisites:* PHIL 130

This course explores ethical reasoning by considering a variety of contemporary issues in ethics. Because it includes a service learning experience it satisfies the civic engagement core requirement.

*Outcomes:*

Students will develop a deeper appreciation of moral problems, and will gain practice in using philosophical moral reasoning

**PHIL 264 Health Care Ethics - Civic Engagement (3 Credit Hours)**

Requirement: PHIL 130 for students admitted to Loyola University for Fall 2012 or later. No requirement for students admitted to Loyola prior to Fall 2012 or those with a declared major or minor in the Department of Philosophy or Department of Political Science. This course studies philosophical ethics as practiced in the health care setting. It includes a service-learning experience and satisfies the civic engagement core requirement.

*Interdisciplinary Option:* Bioethics

This course satisfies the Engaged Learning requirement.

*Course equivalencies:* PHL184/284BIET184PHL164BIET164

*Outcomes:*

Students will be able to demonstrate understanding of traditional moral theories in a health care framework, as well as the varieties of ethical challenges facing contemporary health care

**PHIL 267 Aesthetics - Civic Engagement (3 Credit Hours)**

*Pre-requisites:* PHIL 130 or equivalent; please check requirements for declared majors/minors for exceptions

The course explores philosophical issues in aesthetics like the nature of art and beauty through, in part, service-learning in retirement communities and theaters, as examples.

*Outcomes:*

Students will be able to demonstrate their understanding of aesthetics and the value of leadership development and civic engagement

**PHIL 271 Philosophy of Religion (3 Credit Hours)**

*Pre-requisites:* PHIL 130 or equivalent; please check requirements for declared majors/minors for exceptions

This course explores the development, not only of some classic positions within the philosophy of religion, but also of how these views have affected the formulation of more contemporary discussions.

*Knowledge Area:* Tier 2 Philosophical Knowledge

*Course equivalencies:* PHIL 171 / PHIL 271

*Outcomes:*

Students will be able to demonstrate understanding of the enterprise of using reason, broadly construed, to articulate issues arising out of religious belief and practice and to formulate and defend positions with respect to those issues

**PHIL 272 Metaphysics (3 Credit Hours)**

*Pre-requisites:* PHIL 130 or equivalent; please check requirements for declared majors/minors for exceptions

This course examines the fundamental principles by which the nature of reality can be explained.

*Knowledge Area:* Tier 2 Philosophical Knowledge

*Course equivalencies:* PHIL 172 / PHIL 272

*Outcomes:*

Students will be able to demonstrate understanding of the central issues surrounding the field of metaphysics

**PHIL 273 Philosophy of Science (3 Credit Hours)**

*Pre-requisites:* PHIL 130 or equivalent; please check requirements for declared majors/minors for exceptions

This course examines the nature of scientific knowledge and its claim to possess a distinctive method of inquiry.

*Knowledge Area:* Tier 2 Philosophical Knowledge

*Interdisciplinary Option:* Neuroscience

*Course equivalencies:* PHIL 173 / PHIL 273

*Outcomes:*

Students will be able to demonstrate understanding of the mode of inquiry which is the scientific method

**PHIL 274 Logic (3 Credit Hours)**

*Pre-requisites:* PHIL 130 or equivalent; please check requirements for declared majors/minors for exceptions

This course is a detailed study of the deductive methods and principles of correct reasoning, from both the traditional and modern point of view.

*Knowledge Area:* Tier 2 Philosophical Knowledge

*Course equivalencies:* PHIL 174/PHIL 274/ACPHI 274

*Outcomes:*

Students will be able to formally analyze, evaluate, and demonstrate the various aspects of argumentation

**PHIL 275 Theory of Knowledge (3 Credit Hours)**

*Pre-requisites:* PHIL 130 or equivalent; please check requirements for declared majors/minors for exceptions

This course examines both the nature and the reliability of human knowledge.

*Knowledge Area:* Tier 2 Philosophical Knowledge

*Course equivalencies:* PHIL 175 / PHIL 275

*Outcomes:*

Students will be able to demonstrate understanding of the various approaches to the study of knowledge

**PHIL 276 Philosophy of Mind (3 Credit Hours)**

This course is a study of the different philosophical views regarding the nature and the existence of the mind and its relation to material bodies.

*Interdisciplinary Option:* Neuroscience

*Course equivalencies:* X-PSYC 276/ PHIL 276/PHIL 176

*Outcomes:*

Students will be able to demonstrate understanding of the various philosophical views and problems regarding the mind and its relation to matter

**PHIL 277 Aesthetics (3 Credit Hours)**

*Pre-requisites:* PHIL 130 or equivalent; please check requirements for declared majors/minors for exceptions

This course will explore one or more of the following philosophical questions in aesthetics: What is art? What is good art (art evaluation or critical theory)? What is beauty? What is it about human nature that allows us to experience beauty?

*Knowledge Area:* Tier 2 Philosophical Knowledge

*Course equivalencies:* PHIL 177 / PHIL 276

*Outcomes:*

Students will be able to demonstrate understanding of the various approaches to the philosophical study of beauty and the arts

**PHIL 277R Aesthetics: the Aesthetic Experience in Rome (3 Credit Hours)**

*Pre-requisites:* PHIL 130 or equivalent; please check requirements for declared majors/minors for exceptions

This course will explore one or more of the following philosophical questions in aesthetics, with reference particularly to aesthetic experience in Rome: What is art? What is good art (art evaluation or critical theory)? What is beauty? What is it about human nature that allows us to experience beauty? *Outcomes:* Students will be able to demonstrate understanding of the various approaches to the philosophical study of beauty and the arts.

*Knowledge Area:* Tier 2 Philosophical Knowledge

*Interdisciplinary Option:* Italian Studies

*Course equivalencies:* PHIL 177 / PHIL 276

*Outcomes:*

Students will be able to demonstrate understanding of the various approaches to the philosophical study of beauty and the arts

**PHIL 279 Judgment and Decision-Making (3 Credit Hours)**

*Pre-requisites:* PHIL 130 or equivalent; please check requirements for declared majors/minors for exceptions

Students can take only one course from PHIL 279, PSYC 279, PSYC 280. This course examines the philosophical and psychological foundations of decision-making.

*Knowledge Area:* Tier 2 Philosophical Knowledge

*Outcomes:*

Students will be able to demonstrate understanding of the principles of reasoning and decision-making

**PHIL 283 Business Ethics (3 Credit Hours)**

Effective Spring 2007 students who have taken and successfully passed PHIL 185 are not eligible to take MGMT 341. This course is an introduction to ethics which focuses on ethical issues in the world of business and commerce.

*Course equivalencies:* PHIL185/283/MGMT341/H/BHNR341

*Outcomes:*

Students will be able to examine and assess various ethical theories and apply those theories to ethical issues in business

**PHIL 284 Health Care Ethics (3 Credit Hours)**

*Pre-requisites:* PHIL 130 or equivalent; please check requirements for declared majors/minors for exceptions

This course studies philosophical ethics as practiced in the health care setting.

*Knowledge Area:* Tier 2 Philosophical Knowledge

*Interdisciplinary Option:* Bioethics

*Course equivalencies:* PHIL184/284BIET184PHIL164BIET164

*Outcomes:*

Students will be able to demonstrate understanding of traditional moral theories in a health care framework, as well as the varieties of ethical challenges facing contemporary health care

**PHIL 285 Contemporary Ethical Issues (3 Credit Hours)**

This course explores ethical reasoning through consideration of a variety of contemporary issues in ethics, such as: abortion, euthanasia, corruption, discrimination, poverty, and justice.

*Interdisciplinary Option:* Bioethics, Black World Studies, Bioethics, Black World Studies

*Outcomes:*

Students will develop a deeper appreciation of moral problems and will gain practice at using philosophical moral reasoning to come to justifiable ethical choices and answers

**PHIL 286 Ethics and Education (3 Credit Hours)**

*Pre-requisites:* PHIL 130 or equivalent; please check requirements for declared majors/minors for exceptions

This course examines philosophical ethics as it informs and guides the activity of teaching.

*Knowledge Area:* Tier 2 Philosophical Knowledge

*Outcomes:*

Students will be able to examine and assess various ethical theories and apply those theories to ethical issues in teaching

**PHIL 287 Environmental Ethics (3 Credit Hours)**

*Pre-requisites:* PHIL 130 or equivalent; please check requirements for declared majors/minors for exceptions

This course introduces students to ethical reasoning and to various topics in environmental ethics. Topics may include: pollution, animal rights, and natural resources.

*Knowledge Area:* Tier 2 Philosophical Knowledge

*Interdisciplinary Option:* Bioethics

*Course equivalencies:* PHIL187/BIET187

*Outcomes:*

Students will demonstrate an understanding of diverse ethical theories and an ability to use philosophical reasoning to defend positions in topics covered

**PHIL 288 Culture and Civilization (3 Credit Hours)**

*Pre-requisites:* PHIL 130 or equivalent; please check requirements for declared majors/minors for exceptions

This course examines the nature, causes, and possible future development of human culture and civilization.

*Knowledge Area:* Tier 2 Philosophical Knowledge

*Course equivalencies:* PHIL 288/288R

*Outcomes:*

Students will be able to demonstrate understanding of the various approaches to the philosophical study of human culture and civilization

**PHIL 288R Culture & Civilization in Rome (3 Credit Hours)**

*Pre-requisites:* PHIL 130 or equivalent; please check requirements for declared majors/minors for exceptions

This course examines the nature, causes, and possible future development of human culture and civilization with an emphasis on Italian philosophers during the Renaissance.

*Knowledge Area:* Tier 2 Philosophical Knowledge

*Interdisciplinary Option:* Italian American Studies, Italian Studies

*Course equivalencies:* PHIL 288/288R

*Outcomes:*

Students will be able to demonstrate understanding of the various approaches to the philosophical study of human culture and civilization

**PHIL 289 Philosophy and Gender (3 Credit Hours)**

This course considers gender as a philosophical question. Is gender simply a biological truth, or is it a social construct? How does gender affect our roles and opportunities in society? Should gender play a role in discussion of human rights?

*Outcomes:*

The student will develop a philosophical understanding of gender and will be able to articulate in a thoughtful manner understanding of issues concerning ethics, society and biology concerning gender

**PHIL 301 Symbolic Logic (3 Credit Hours)**

This course is an introduction to the study of modern symbolic logic, emphasizing formalization and proof construction. The student is introduced to the terminology and chief concepts of modern logic.

*Outcomes:*

Students will be able to symbolically analyze, evaluate, and demonstrate the various aspects of formal reasoning

**PHIL 302 Topics in Formal Logic (3 Credit Hours)**

Selected topic regarding logical theory or metatheory, such as the completeness of formal systems, non-standard logics, computability, foundational issues regarding mathematics.

*Outcomes:*

Students will develop an advanced understanding of the selected topic in formal logic

**PHIL 304 History of Ancient Philosophy (3 Credit Hours)**

*Pre-requisites:* Students must have taken at least two philosophy courses

This course studies the philosophies of the ancient Greeks, including the pre-Socratics, Plato, and Aristotle.

*Interdisciplinary Option:* European Studies, Italian Studies

*Course equivalencies:* X-PHIL304/CLST304

*Outcomes:*

Students will be able to understand and articulate philosophical problems and answers representative of the ancient Greek philosophers

**PHIL 305 Medieval Philosophy (3 Credit Hours)**

This course studies the philosophies of the major thinkers of the 4th to the 12th centuries, such as Augustine, Scotus, Boethius, Avicenna, Anselm, Abelard, Maimonides, and Averroes.

*Interdisciplinary Option:* Catholic Studies, European Studies, Medieval Studies

*Course equivalencies:* X-PHIL305/CATH305/MSTU344

*Outcomes:*

Students will be able to understand and articulate philosophical problems and answers representative of the early medieval philosophers

**PHIL 306 19th Century Philosophy (3 Credit Hours)**

*Pre-requisites:* Students must have taken at least two philosophy courses

This course studies 19th century post-Kantian philosophy from idealism toward phenomenology. May include philosophers such as Hegel, Nietzsche, and Husserl.

*Interdisciplinary Option:* European Studies, German Studies

*Outcomes:*

Students will be able to understand and articulate philosophical problems and answers representative of 19th century post-Kantian philosophy

**PHIL 307 13th & 14th Century Philosophy (3 Credit Hours)**

This course studies major thinkers of the 13th and 14th centuries, such as Albertus Magnus, Aquinas, Scotus, William of Ockham, Roger Bacon.

*Interdisciplinary Option:* Catholic Studies, European Studies

*Course equivalencies:* X-PHIL307/CATH307

*Outcomes:*

Students will be able to understand and articulate philosophical problems and answers representative of the late medieval philosophers

**PHIL 308 Islamic Philosophy (3 Credit Hours)**

Covers the development of classical Islamic philosophy from 800 to 1200 CE. Attention will be given to the central topics (God, the cosmos, knowledge, the human good) with which Muslim philosophers were concerned and to major figures such as Al-Kindi, Al-Farabi, Ibn Sina (Avicenna), Al-Ghazali and Ibn Rushd (Averroes).

*Interdisciplinary Option:* Islamic World Studies, Islamic World Studies

*Course equivalencies:* X-PHIL308THE0357MSTU334IWS308

*Outcomes:*

Students will be able to articulate and discuss major philosophical problems of concern to Muslim philosophers of the classical period

**PHIL 309 Classical Modern Philosophy (3 Credit Hours)**

*Pre-requisites:* Students must have taken at least two philosophy courses

This course studies selected philosophers from the early modern period, such as Descartes, Spinoza, Leibniz, Locke, Hume, Berkeley, Kant.

*Interdisciplinary Option:* European Studies, German Studies

*Outcomes:*

Students will be able to understand and articulate philosophical problems and answers representative of the early modern philosophers

**PHIL 310 Issues in Philosophy of Human Nature (3 Credit Hours)**

*Pre-requisites:* Students must have taken at least two philosophy courses

This course gives intensive consideration to various issues that pertain to being human, such as freedom, determinism, person, society, mind-body, immortality, etc.

*Outcomes:*

Students will be able to understand and articulate a deeper awareness of philosophical problems and answers regarding key issues of human nature

**PHIL 311 Issues in Metaphysics (3 Credit Hours)**

*Pre-requisites:* Students must have taken at least two philosophy courses

This course studies various philosophical issues regarding the nature of all reality, including existence, causality, relations, abstract entities, purpose, the possibility of knowledge of reality.

*Outcomes:*

Students will be able to understand and articulate a deeper awareness of philosophical problems and answers regarding key metaphysical issues

**PHIL 312 Problems in the Philosophy of God (3 Credit Hours)**

*Pre-requisites:* Students must have taken at least two philosophy courses

This course studies classical and contemporary approaches to knowledge of the existence of God, divine attributes, good and evil, providence and human freedom.

*Interdisciplinary Option:* Catholic Studies

*Outcomes:*

Students will be able to understand and articulate a deeper awareness of philosophical problems and answers regarding philosophical views of God

**PHIL 318 Philosophy of Art (3 Credit Hours)**

Reading and discussion of selected philosophical texts concerning the nature of art and artistic experience.

*Outcomes:*

Students will be able to understand and articulate philosophical problems and answers to questions regarding the nature of art and artistic experience

**PHIL 319 Studies in Philosophy & Literature (3 Credit Hours)**

This course is a study of selected works of literature and a discussion of philosophical issues in relation to these works.

*Outcomes:*

Students will be able to understand and articulate a deeper awareness of philosophical problems and answers to questions regarding the nature of literary work, the relations of philosophical and literary language, and methods of interpretation

**PHIL 320 The Philosophy of St Augustine (3 Credit Hours)**

This course is a study of the principal works of Augustine, such as the Confessions, City of God.

*Interdisciplinary Option:* Catholic Studies, Medieval Studies

*Course equivalencies:* X-PHIL320/CATH320/MSTU346

*Outcomes:*

Students will be able to understand and articulate philosophical problems and answers found in the works of Augustine

**PHIL 321 Ethics and Society (3 Credit Hours)**

*Pre-requisites:* Students must have taken at least two philosophy courses

This course is a study of the rights, duties, and virtues of individuals as members of societies, covering issues such as family and state, social justice, international society, war, and globalization.

*Interdisciplinary Option:* Sociolegal Studies

*Outcomes:*

Students will be able to understand and articulate a deeper awareness of philosophical problems and answers to questions regarding ethics in social contexts

**PHIL 322 Philosophical Perspectives on Woman (3 Credit Hours)**

Philosophical reflections on being a woman. Topics such as womanhood, representations of women, self-respect, oppression, affirmative action, sexism, and racism.

*Interdisciplinary Option:* Women & Gender Studies

*Course equivalencies:* X-PHIL322/WOST322/WSGS322

*Outcomes:*

Students will be able to understand and articulate a deeper awareness of philosophical problems and answers to questions regarding conceptions of and experience of being a woman

**PHIL 323 Philosophy of Law (3 Credit Hours)**

This course pursues a philosophical analysis of law. It deals with topics such as philosophical presuppositions of law, origin and purpose of law, law as social control, current legal problems involving ethical issues.

*Interdisciplinary Option:* Sociolegal Studies

*Outcomes:*

Students will be able to understand and articulate philosophical problems and answers to questions regarding law and its applications

**PHIL 324 Topics in Ethics (3 Credit Hours)**

*Pre-requisites:* Students must have taken at least two philosophy courses

This course studies a particular topic selected from the field of ethics.

*Outcomes:*

Students will be able to understand and articulate a deeper awareness of philosophical problems and answers to questions regarding the selected topic

**PHIL 324B Bioethics Minor Capstone: Philosophical Topics (3 Credit Hours)**

*Pre-requisites:* Two Science courses and two Ethics courses

This course number will only be used when PHIL 324 is tagged with the Bioethics Minor Capstone course.

*Interdisciplinary Option:* Bioethics

*Outcomes:*

Students will understand the connection between ethical and scientific issues with regard to the special topic in philosophy

**PHIL 325 Ethics & Case Based Reasoning (3 Credit Hours)**

*Pre-requisites:* Two previous philosophy courses

This course is an engaged learning course that provides students with a unique opportunity to practice applying moral theories and argumentative principles to personal and social-ethical problems, and to teach middle school students how to do the same. The course focuses on presenting solutions to cases and hence involves research, writing, and oral presentation.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will be able to understand and articulate a deeper awareness of philosophical problems and answers to questions using a case based system



**PHIL 326 Political Philosophy (3 Credit Hours)**

This course is an examination of the major theories of political society, studying important aspects of political society and their relationships to human nature.

*Interdisciplinary Option:* Sociolegal Studies

*Outcomes:*

Students will be able to understand and articulate philosophical problems and answers to questions regarding the nature of political society in relation to its members

**PHIL 327 Topics in Political Philosophy (3 Credit Hours)**

This course will concentrate on a specific issue or issues in political philosophy. Typical topics include civil disobedience, war and peace, political revolution, punishment, and criminal justice.

*Outcomes:*

Students will be able to understand and articulate a deeper awareness of philosophical problems and answers to questions regarding the selected topic

**PHIL 328 Philosophical Questions in Human Rights (3 Credit Hours)**

*Pre-requisites:* Two prior courses in Philosophy

This course addresses questions in human rights such as the concept of rights and its critics, sovereignty and its relation to global governance, the role of intent, and how human rights are gendered.

*Outcomes:*

Students are expected to have an overview of the major legal frameworks for human rights, as well as an understanding of several of the major philosophical issues and related literature

**PHIL 329 International Ethics (3 Credit Hours)**

*Pre-requisites:* Two prior courses in either Philosophy or Political Science

This course is intended to give students an overview of some of the major frameworks for addressing ethical issues in the international arena. This includes Just War doctrine, economic rights, and global governance.

*Outcomes:*

Students are expected to be familiar with the major treaties, international law doctrines, and institutions relevant to international ethics, as well the pertinent secondary literature

**PHIL 330 Theory of Knowledge (3 Credit Hours)**

*Pre-requisites:* Students must have taken at least two philosophy courses

This course will study major philosophical positions regarding knowledge, belief, thought and language, truth, evidence, reason, perception, skepticism.

*Outcomes:*

Students will be able to understand and articulate philosophical problems and answers to questions regarding the field of knowledge and related issues

**PHIL 333 Language: Theories Ancient & Modern (3 Credit Hours)**

Classical, modern, and contemporary philosophical theories on the nature and structure of human language.

*Course equivalencies:* X-LING333/PHIL333

*Outcomes:*

Students will be able to understand and articulate some philosophical problems and answers regarding the nature and structure of human language

**PHIL 335 Asian Philosophy (3 Credit Hours)**

A study of fundamental tenets of major Eastern philosophies (Chinese, Japanese, Indian) in comparison to Western tradition. Course may vary in emphasis on particular philosophies and themes.

*Interdisciplinary Option:* Asian Studies, Global Studies, Japanese Language and Culture

*Course equivalencies:* X-PHIL335/ASIA335/INTS334

*Outcomes:*

Students will be able to understand and articulate philosophical problems and answers to questions regarding Eastern philosophical thought

**PHIL 340 Philosophy of St Thomas Aquinas (3 Credit Hours)**

A study of the philosophy of Thomas Aquinas, including background regarding his life and medieval context.

*Interdisciplinary Option:* Catholic Studies, Medieval Studies

*Course equivalencies:* X-PHIL340/MSTU348

*Outcomes:*

Students will be able to understand and articulate philosophical problems and answers to questions regarding the thought of Aquinas and its medieval context

**PHIL 342 Topics in the Catholic Philosophical Tradition (3 Credit Hours)**

*Pre-requisites:* One class in philosophy or permission of instructor

This course examines the Catholic philosophical tradition, beginning with its roots in ancient Greek philosophy, through the medieval period in the work of figures such as St. Augustine and St. Thomas Aquinas, and up to and including contemporary Catholic philosophy.

*Course equivalencies:* X-CATH 303 / PHIL 342

*Outcomes:*

Students will be conversant and familiar with the Catholic philosophical tradition throughout its history, demonstrating proficiency in operating within the philosophical framework of this tradition

**PHIL 344 Philosophy of Human Nature (3 Credit Hours)**

The course explores at an advanced level the relation of human nature and aesthetics through, in part, service-learning in retirement communities and theaters, as examples.

*Outcomes:*

Students will be able to demonstrate advanced understanding of the relation between human nature and aesthetics and the value of leadership development and civic engagement

**PHIL 350 Directed Reading (3 Credit Hours)**

*Pre-requisites:* Students must have taken at least two philosophy courses

Independent research according to program developed jointly by the student and a faculty director. Open to majors and to non-majors with the permission of the chairperson.

*Outcomes:*

Students will be able to understand and articulate philosophical problems and answers regarding the selected topic

**PHIL 355 Neuroethics (3 Credit Hours)**

*Pre-requisites:* students must have taken at least two philosophy courses

This course focuses on ethical considerations emerging from contemporary research in neuroscience, as well as neuroscientific techniques for studying ethical questions. Students will be able to demonstrate understanding of the ways in which the study of ethics and neuroscience inform each other

*Interdisciplinary Option:* Bioethics

*Course equivalencies:* X - PSYC355/PHIL355

**PHIL 360 Contemporary European Philosophy (3 Credit Hours)**

*Pre-requisites:* Students must have taken at least two philosophy courses

Readings and discussion drawn from contemporary French and German philosophers, such as Merleau-Ponty, Sartre, Heidegger, Derrida, Foucault.

*Interdisciplinary Option:* European Studies

*Outcomes:*

Students will be able to understand and articulate philosophical problems and answers representative of contemporary French and German philosophy

**PHIL 362 The British Philosophers (3 Credit Hours)**

Readings and discussion drawn from early modern and modern British philosophers such as Hobbes, Locke, Hutcheson, Hume, Smith, Bentham, Mill.

*Outcomes:*

Students will be able to understand and articulate philosophical problems and answers representative of early British philosophy

**PHIL 369 Philosophy of Medicine (3 Credit Hours)**

*Pre-requisites:* Students must have taken at least two philosophy courses

This course investigates philosophical questions concerning the practice of medicine, such as the epistemology of medicine, the nature of health and disease, what is a profession, and the nature of suffering.

*Interdisciplinary Option:* Bioethics

*Course equivalencies:* X-PHIL369/BIET369

*Outcomes:*

The student will develop a critical understanding of the practice of medicine from a philosophical point of view

**PHIL 370 Intro to American Philosophy (3 Credit Hours)**

This course studies American Philosophers such as Peirce, James, Dewey, with an evaluation of their principles.

*Outcomes:*

Students will be able to understand and articulate philosophical problems and answers representative of American philosophy

**PHIL 374 Philosophy of History (3 Credit Hours)**

Study of the nature of historical knowledge and of theories concerning historical process.

*Outcomes:*

Students will be able to understand and articulate philosophical problems and answers regarding history as a discipline and a historical process

**PHIL 375 Philosophy of Marxism (3 Credit Hours)**

A study of the philosophical dimensions of the thought of Karl Marx, his 19th century precursors and 20th century interpreters.

*Interdisciplinary Option:* German Studies

*Course equivalencies:* PHIL394/PHIL375

*Outcomes:*

Students will be able to understand and articulate philosophical problems and answers to questions regarding the thought of Karl Marx and Marxism

**PHIL 380 Topics in Philosophy of Religion (3 Credit Hours)**

*Pre-requisites:* Students must have taken at least two philosophy courses

This course studies various philosophical issues regarding religion. May include issues such as religious concepts, types of religion, divine attributes, free will and providence, problem of evil.

*Course equivalencies:* PHIL391/PHIL380

*Outcomes:*

Students will be able to understand and articulate a deeper awareness of philosophical problems and answers regarding key religious issues

**PHIL 381 Philosophy of Science (3 Credit Hours)**

Readings and discussion of selected texts regarding theories of scientific methods, scientific reasoning, metaphysical foundations of science, philosophical problems of scientific theories about physical reality.

*Outcomes:*

Students will be able to understand and articulate philosophical problems and answers regarding scientific inquiry and theory

**PHIL 382 Philosophy of Social Science (3 Credit Hours)**

Study of philosophical issues in the practice of contemporary behavioral sciences: theory, fact and value, causality, relativism, functionalism, statistical generalization, social planning.

*Outcomes:*

Students will be able to understand and articulate philosophical problems and answers regarding issues in the behavioral sciences

**PHIL 383 Philosophy of Psychology (3 Credit Hours)**

*Pre-requisites:* Students must have taken at least two philosophy courses

A philosophical analysis of theoretical positions in psychology. May include issues regarding methodology, perception, learning theory, rationality, emotions.

*Outcomes:*

Students will be able to understand and articulate philosophical problems and answers regarding issues in the field of psychology

**PHIL 384 Topics in Philosophy & Science (3 Credit Hours)**

Particular topics selected from philosophy and science. Typical topics include the Scientific Revolution, positivism, space and time, relativity theory, cosmology, evolution.

*Outcomes:*

Students will be able to understand and articulate philosophical problems and answers regarding the selected topic

**PHIL 385 Environmental Ethics (3 Credit Hours)**

This course will examine a number of controversial moral issues involving our environment. Theoretical and applied topics may include animal rights and species rights, nonwestern environmental perspectives, ecofeminism, duties to future generations, overpopulation, pollution, nuclear power, and environmental issues in policy making and business ethics.

**PHIL 386 Analytic Philosophy (3 Credit Hours)**

A survey of 20th century British and American philosophy in the analytic tradition, including philosophers such as Russell, Moore, Wittgenstein, Carnap, Quine.

*Outcomes:*

Students will be able to understand and articulate philosophical problems and answers regarding the analytic tradition in philosophy

**PHIL 387 Philosophy of Mind (3 Credit Hours)**

*Pre-requisites:* Students must have taken at least two philosophy courses

This course is a critical study of issues such as the mind-body problem, personal identity, knowledge of other minds, consciousness, perception.

*Interdisciplinary Option:* Neuroscience

*Outcomes:*

Students will be able to understand and articulate philosophical problems and answers regarding issues in the philosophy of mind

**PHIL 388 History of Ethics (3 Credit Hours)**

An intensive study of the ethical theories of several major figures in the history of western moral philosophy, including, for example, the systems of Aristotle, Kant, and Mill.

*Outcomes:*

Students will develop a more advanced understanding of philosophical problems and answers to questions in the field of ethics by means of this historical study

**PHIL 389 Contemporary Issues (3 Credit Hours)**

*Pre-requisites:* Students must have taken at least two philosophy courses

Study of a selected topic in some area of contemporary philosophy.

*Outcomes:*

Students will be able to understand and articulate philosophical problems and answers regarding the selected topic

**PHIL 390 Independent Study for Majors (3 Credit Hours)**

*Pre-requisites:* Students must be a philosophy major with adequate background

In-depth independent research developed jointly by the student and a faculty director. The topic should be one with which the student has some familiarity so that the research can be an examination of it in-depth.

*Outcomes:*

Students will be able to understand and articulate philosophical problems and answers regarding the selected topic

**PHIL 391 Topics in Philosophy of Religion (3 Credit Hours)**

PHIL 391 was re-numbered to PHIL 380.

*Course equivalencies:* PHIL391/PHIL380

**PHIL 393 Philosophy & The Human Sciences (0 Credit Hours)**

This seminar explores a selected theme in health care ethics. Extensive use is made of visiting guest experts. Students should have completed four courses in philosophy, including a course in health care ethics.

*Outcomes:*

Students will develop a more advanced philosophical understanding of health care ethics, through direct student participation in an interactive seminar environment

**PHIL 395 Seminar in Ancient Philosophy (3 Credit Hours)**

This course will study selected issues from ancient philosophy. Course intended for philosophy majors. Students should have completed five philosophy courses, including PHIL 304.

*Outcomes:*

Students will develop a more advanced understanding of ancient philosophy, through direct student participation in an interactive seminar environment

**PHIL 396 Seminar in Medieval Philosophy (3 Credit Hours)**

This course will study selected issues from ancient philosophy. Course intended for philosophy majors. Students should have completed five philosophy courses, including a course in medieval philosophy.

*Interdisciplinary Option:* Medieval Studies

*Course equivalencies:* X-PHIL396/MSTU350

*Outcomes:*

Students will develop a more advanced understanding of medieval philosophy, through direct student participation in an interactive seminar environment

**PHIL 397 Capstone Seminar in Classical Modern Philosophy (3 Credit Hours)**

This course will study selected issues from early modern philosophy. Course intended for philosophy majors. Students should have completed five philosophy courses, including PHIL 309.

*Outcomes:*

Students will develop a more advanced understanding of early modern philosophy, through direct student participation in an interactive seminar environment

**PHIL 398 Capstone Seminar in Contemporary Philosophy (3 Credit Hours)**

*Pre-requisites:* Course intended for philosophy majors

Students should have completed at least five philosophy courses. This course will study selected issues in contemporary philosophy. Course intended for philosophy majors. Students should have completed five philosophy courses.

*Outcomes:*

Students will develop a more advanced understanding of contemporary philosophy, through direct student participation in an interactive seminar environment

**PHIL 399 Capstone Seminar on a Topic in Philosophy (3 Credit Hours)**

*Pre-requisites:* Course intended for philosophy majors

Students should have completed at least five philosophy courses. This course engages the student in an analysis and discussion of special problems found in various areas of philosophy. Student should have completed five philosophy courses.

*Outcomes:*

Students will develop a more advanced understanding of the philosophical enterprise, through direct student participation in an interactive seminar environment

## Physics (PHYS)

**PHYS 101 Liberal Arts Physics (3 Credit Hours)**

*Pre-requisites:* ENVS 101 or equivalent; please check requirements for declared majors/minors for exceptions

For non-science majors. Selected topics from classical and modern physics emphasizing beauty, symmetry, and simplicity. Contemporary issues of physics and society.

*Knowledge Area:* Tier 2 Scientific Knowledge

*Outcomes:*

Understanding of interaction between theory and experiment, role of physics in society, science vs. nonscience; solve problems using algebra, geometry, vectors, and graphs; synthesize disparate physics topics

**PHYS 102 Planetary and Stellar Astronomy (3 Credit Hours)**

*Pre-requisites:* ENVS 101 or equivalent; please check requirements for declared majors/minors for exceptions

This course covers the astronomy of the solar system and planetary science as well as the astronomy of stars and galaxies. This includes study of earth and comparative study of all the planets, as well as the birth, evolution, and death of stars, the clustering of stars and galaxies, the expanding universe and cosmology.

*Knowledge Area:* Tier 2 Scientific Knowledge

*Outcomes:*

Students will demonstrate an understanding of the fundamental knowledge and concepts in astronomy, the qualitative and quantitative reasoning used, and how this science can be applied

**PHYS 106 Physics of Music (3 Credit Hours)**

*Pre-requisites:* ENVS 101 or equivalent; please check requirements for declared majors/minors for exceptions

Language, structure, history and styles of music; motion, force, energy and waves applied to production of sound; physical properties of instruments and musical acoustics.

*Knowledge Area:* Tier 2 Scientific Knowledge

*Outcomes:*

Knowledge of music fundamentals; understand how instruments function; apply physics concepts and experimentation to analyze the production of music and acoustics

**PHYS 111 College Physics I Lec / Dis (3 Credit Hours)**

*Pre-requisites:* Math Placement Test or MATH 118

Non-calculus introduction to vectors, kinematics, Newtonian mechanics of translational, rotational, and oscillatory motion, energy and momentum conservation, and thermodynamics.

*Interdisciplinary Option:* Forensic Science

*Outcomes:*

Understanding of analytical description of motion and application of conservation laws; develop scientific insight and proficiency in solving representative problems

**PHYS 111L College Physics Laboratory I (1 Credit Hour)**

*Pre- or co-requisites:* PHYS 111 or PHYS 121; Prerequisite: MATH 118 or MDT

Laboratories cover selected topics in introductory mechanics, including freefall, uniform circular motion, work-energy, collisions, rotational motion, and harmonic motion.

*Interdisciplinary Option:* Forensic Science

*Outcomes:*

Experience and familiarity with basic measuring devices and simple mechanics equipment; Understand measurement errors and their propagation, plotting and interpretation of data, the connection between theory and experiment for selected topics in elementary mechanics

**PHYS 112 College Physics II Lec/Disc (3 Credit Hours)**

*Pre-requisites:* PHYS 111 or equivalent

PHYS 111 and 112 provide a non-calculus introduction to physics. Topics include electricity and magnetism, sound, optics, and selected topics from modern physics.

*Interdisciplinary Option:* Forensic Science

*Course equivalencies:* PHYS112/PHYS112K/PHYS122

*Outcomes:*

Understand and apply electromagnetism to 2- and 3-dimensional problems in physical and biological sciences

**PHYS 112L College Physics Lab II (1 Credit Hour)**

*Pre-requisites:* PHYS 112 or PHYS 122 (may also be taken as corequisite); also prerequisite PHYS 111L; For ESBE, ESCE, and ESEE majors only.

Prerequisite or corequisite of PHYS 122

Laboratories cover selected topics in electrical circuits and optics, including DC circuits, resonance in AC circuits, ray optics, and prism and grating spectrometers.

*Interdisciplinary Option:* Forensic Science

*Outcomes:*

Understand the connection between theory and experiment for selected topics in elementary electrical circuits and optics; Experience and familiarity with DC power supplies, digital multi-meters, function generators, oscilloscopes, mirrors, lenses, and spectrometers; Ability to correlate simple electronic schematic diagrams with actual circuits

**PHYS 121 College Physics I with Calculus Lecture/Discussion (3 Credit Hours)**

*Co-requisites:* MATH 131 or MATH 161

Calculus-based introduction to vectors, kinematics, Newtonian mechanics of translational, rotational, and oscillatory motion, energy and momentum conservation, and thermodynamics.

*Interdisciplinary Option:* Forensic Science

*Outcomes:*

Understanding of analytical description of motion and application of conservation laws; develop scientific insight and proficiency in solving representative problems

**PHYS 122 College Physics II with Calculus Lecture/Discussion (3 Credit Hours)**

*Pre-requisites:* PHYS 121; Corequisite: MATH 132 or MATH 162

Calculus-based introduction to electricity and magnetism, sound, optics, and selected topics from modern physics.

*Interdisciplinary Option:* Forensic Science

*Course equivalencies:* PHYS112/PHYS112K/PHYS122

*Outcomes:*

Understand and apply electromagnetism to 2- and 3-dimensional problems in physical and biological sciences

**PHYS 125 General Physics I Lec/Dis (4 Credit Hours)**

*Co-requisites:* PHYS 125L and MATH 161

This is a calculus-based introductory course that covers Mechanics and Thermodynamics. It is designed for physics majors or minors and dual-degree engineering students.

*Interdisciplinary Option:* Forensic Science

*Outcomes:*

Understanding of vectors, forces, Newtonian mechanics related to translational, rotational, and oscillatory motion; thermodynamics

**PHYS 125L General Physics Laboratory I (1 Credit Hour)**

*Co-requisites:* PHYS 125

Laboratories cover selected topics in introductory mechanics, including freefall, uniform circular motion, work-energy, collisions, rotational motion, and harmonic motion. Includes a freshmen project.

*Interdisciplinary Option:* Forensic Science

*Outcomes:*

Experience and familiarity with basic measuring devices and simple mechanics equipment; Understand measurement errors and their propagation, plotting and interpretation of data, the connection between theory and experiment for selected topics in elementary mechanics

**PHYS 126 General Physics II Lec/Dis (3 Credit Hours)**

*Pre-requisites:* PHYS 125; Corequisites: PHYS 126F, PHYS 126L & MATH 162; Department Consent Required

A continuation of PHYS 125, covering Electricity and magnetism, sound, optics.

*Interdisciplinary Option:* Forensic Science

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Understanding of electrostatics, magnetostatics, time varying currents, resistive, capacitive and inductive elements, electromagnetic and sound waves, geometrical and wave optics, introductory special relativity



**PHYS 126F Freshman Projects (1 Credit Hour)**

*Pre-requisites:* PHYS 111 or 121 (C- or better); Enrollment restricted to PHYS, BPHY, TPAM, and PCSC majors  
*Outcomes:* Students should gain a deeper understanding of the material covered in introductory physics and learn about research methods employed by physicists  
 Under the guidance of a faculty member, students perform research on a physics-related topic through a semester-long project. The project involves development of a proposal, building of experimental apparatus, data collection/analysis, and theoretical calculations.  
 This course satisfies the Engaged Learning requirement.

**PHYS 126L General Physics Laboratory II (1 Credit Hour)**

*Co-requisites:* PHYS 126  
 Laboratories cover selected topics in electrical circuits and optics, including DC circuits, resonance in AC circuits, ray optics, and prism and grating spectrometers. Includes a freshmen project.  
*Interdisciplinary Option:* Forensic Science  
*Outcomes:*  
 Experience and familiarity with DC power supplies, digital multimeters, function generators, oscilloscopes, mirrors, lenses, and spectrometers; Ability to correlate simple electronic schematic diagrams with actual circuits; Understand the connection between theory and experiment for selected topics in elementary electrical circuits and optics

**PHYS 130 Introduction to Computational Physics (3 Credit Hours)**

*Pre-requisites:* PHYS 121 (C- or better); Corequisite: PHYS 122  
 This is an introductory computational physics course. The course will cover basic computational skills using Python and common scientific Python packages. We will solve a set of programming exercises that enhances both the understanding of introductory physics (Newton's laws, work, energy, momentum) and physics problem solving skills.  
*Outcomes:*

Students should be able to write a Python program to perform numerical calculations in physics and gain computational skills that would be utilized in upper division physics coursework and research

**PHYS 235 Modern Physics (3 Credit Hours)**

*Pre-requisites:* PHYS 122 (C- or better); Corequisites: PHYS 235L and MATH 263; Enrollment is restricted to PHYS, BPHY, TPAM and PCSC majors and PHYS minors  
 This course covers the Special Theory of Relativity and Introductory Quantum Mechanics.

*Outcomes:*  
 Understand the relative nature of space and time; the duality of waves and particles; the microscopic structure of matter and its macroscopic consequences

**PHYS 235L Modern Physics Laboratory (1 Credit Hour)**

*Co-requisites:* PHYS 235  
 Modern physics experiments including electromagnetic waves (microwaves), interferometry, spectroscopy, electron and quantum physics, and solid-state physics.  
*Outcomes:*  
 Students will gain hands on experience and familiarity with experiments from early modern physics, the ability to use spreadsheets and symbolic algebraic software for problem solving and data interpretation, and experience documenting and reporting results including historical background searches

**PHYS 266 Digital Electronics Lab (3 Credit Hours)**

*Pre-requisites:* PHYS 126 and MATH 162  
 Combinatorial and sequential logic devices, oscillators and timers, microprocessor components, CPU operation, computer architecture and digital/analog conversion.  
*Course equivalencies:* X-PHYS266/COMP266  
*Outcomes:*  
 Students will gain a working knowledge of digital electronics design and its application to computers, an understanding of CPU design and operation and the ability to document and report experimental results

**PHYS 301 Mathematical Methods in Physics (3 Credit Hours)**

*Pre-requisites:* PHYS 235; Corequisite: MATH 264  
 Lecture and computer laboratory; Mathematical and computer methods in physics and engineering; Topics include vector calculus, functions of a complex variable, phasors, Fourier analysis, linear transformations, matrices, first and second order differential equations, special functions, numerical and symbolic computer applications.  
*Course equivalencies:* X-PHYS301/PHYS271/MATH355

**PHYS 303 Electronics I (3 Credit Hours)**

*Pre-requisites:* PHYS 122 (C- or better); Corequisite: PHYS 303L; Enrollment restricted to PHYS, BPHY, TPAM, PCSC majors and PHYS minors  
 Study of analog electronics, including direct and alternating circuit analysis, resonant circuits, diodes, transistors, amplifiers, operational amplifiers, noise, feedback and oscillators.  
*Outcomes:*  
 Students will understand and manipulate equations and concepts, and gain experience with electronics equipment, plotting and interpretation of data, synthesizing and writing laboratory results, and the formal verbal presentation of results

**PHYS 303L Electronics Laboratory (1 Credit Hour)**

*Pre-requisites:* PHYS 122 (C- or better); Corequisite: PHYS 303; Enrollment restricted to PHYS, BPHY, TPAM, PCSC majors and PHYS minors  
 Students will learn to use various electronic components, instruments, techniques, and applications. This course is the lab component for PHYS 303.  
*Outcomes:*  
 Students should get a deeper understanding of the material covered in PHYS 303 (Analog and digital electronics) by experimentally verifying many of the concepts covered in that course; Students will also learn to recognize various components and develop confidence in using them

**PHYS 310 Optics (3 Credit Hours)**

*Pre-requisites:* PHYS 235 (C- or better); Corequisite: PHYS 310L; Enrollment restricted to PHYS, BPHY, TPAM, PCSC majors and PHYS minors  
 The course covers electromagnetic nature of light, geometrical optics, polarization, Fresnel relations, interference, Fraunhofer and Fresnel diffraction, Fourier optics, lasers, and holography.  
*Outcomes:*  
 Students will gain knowledge of the principles of classical and modern optics, the role of optics in the development of quantum mechanics and its applications to modern technology

**PHYS 310L Optics Lab (1 Credit Hour)**

*Pre-requisites:* PHYS 235 (C- or better); Corequisite: PHYS 310; Enrollment restricted to PHYS, BPHY, TPAM, PCSC majors and PHYS minors  
Students will learn to use various optical components, instruments, techniques, and applications. This course is the lab component to PHYS 310.

*Outcomes:*

Students should get a deeper understanding of the material covered in PHYS 310 (Geometrical and wave optics) by experimentally verifying many of the concepts covered in that course; Students will also learn to recognize various components and develop confidence in using them

**PHYS 314 Theoretical Mechanics I (3 Credit Hours)**

*Pre-requisites:* PHYS 122 (C- or better); Corequisites: MATH 264 and PHYS 301  
*Outcomes:* Students will gain understanding of analytical and numerical methods of mechanics, understanding of principles in dynamics, and experience in applying formalisms of Lagrange and Hamilton to mechanics in preparation for other areas of physics and engineering  
Newtonian particle dynamics, conservation theorems, oscillations, gravitation, generalized coordinates, Lagrange and Hamilton formalisms.

**PHYS 315 Theoretical Mechanics II (3 Credit Hours)**

*Pre-requisites:* PHYS 314

This course is a continuation of PHYS 314 and covers dynamics of system of particles, moving coordinates, rigid body dynamics, systems of oscillators, motion in a central force field, relativity.

*Outcomes:*

Students will gain understanding of analytical and numerical methods of mechanics, and of the laws of dynamics and their applications

**PHYS 328 Thermal Physical & Statistical Mechanics (3 Credit Hours)**

*Pre-requisites:* PHYS 235 and PHYS 301

This course examines the fundamental concepts of temperature, entropy, and thermodynamic equilibrium, the first and second law, engines, the third law, and Boltzmann, Fermi-Dirac, and Bose-Einstein statistics.

*Outcomes:*

Students will learn to compare thermodynamical versus statistical characterizations of macroscopic systems with applications ranging from analyzing Fermi gases and black body radiation to information theory

**PHYS 338 Advanced Physics Laboratory (2 Credit Hours)**

*Pre-requisites:* PHYS 301 and PHYS 314; Restricted to PHYS, TPAM, PCSC, and BPHY majors

Lab course with advanced experiments in mechanics, biophysics, electromagnetism, quantum mechanics, solid state, and particle physics. Students will receive training in data analysis methods, data acquisition systems, signal processing, and 3D fabrication. Students will work in teams on a final independent project.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will gain an understanding of experiment design, data analysis, and error estimation in the context of investigating physical principles and using different instrumentation

**PHYS 351 Electricity and Magnetism I (3 Credit Hours)**

*Pre-requisites:* PHYS 235, 301 & MATH 264

Electrostatics and magnetostatics in a vacuum as well as in linear media, and an introduction to electrodynamics.

*Outcomes:*

Students will gain an understanding of mathematical methods of electrodynamics, of static electricity and magnetism including Coulomb's, Gauss', Ampere's, and Faraday's laws and their applications, and of solutions of Laplace's and Maxwell's equations

**PHYS 352 Electricity and Magnetism II (3 Credit Hours)**

*Pre-requisites:* PHYS 351

Introduction to electrodynamics and the special theory of relativity.

*Outcomes:*

Students will gain an understanding of electromagnetic field energy and momentum, Maxwell's equations and their applications including electromagnetic radiation and emission, involving retarded potentials and Lorentz covariance

**PHYS 361 Quantum Mechanics I (3 Credit Hours)**

*Pre-requisites:* PHYS 235 & PHYS 301

Non-relativistic quantum mechanics.

*Outcomes:*

Students will understand and use separation of variables, finite polynomials, and matrix algebra to solve the Schroedinger equation, explain microscopic structure of matter, and describe philosophical interpretations of quantum mechanics

**PHYS 371 Biophysics (3 Credit Hours)**

*Pre-requisites:* For Biology and Molecular Biology majors: BIOL 251, (PHYS 112 or 122), and (MATH 132 or 162); For all other majors: PHYS 235 and BIOL 101

An upper-level course in biological physics focused on a quantitative description of the physical processes driving molecular and cellular processes with an emphasis on experiment design and analysis.

*Outcomes:*

Students will understand how to apply physical principles and probabilistic analysis toward the study of biological phenomena at molecular and cellular levels

**PHYS 380 Special Topics in Physics (1-3 Credit Hours)**

*Pre-requisites:* Instructor's permission

This variable (1-3) credit enrichment course introduces students to a topic not generally covered in other courses. This course can be repeated.

*Outcomes:*

Students will understand the material of the course and develop an ability to apply the knowledge gained to other contexts

**PHYS 381 Special Topics in Physics (1-3 Credit Hours)**

*Pre-requisites:* Instructor's permission

This variable (1-3) credit enrichment course introduces students to a topic not generally covered in other courses. This course can be repeated.

*Outcomes:*

Students understand the material of the course and develop an ability to apply the knowledge gained to other contexts

**PHYS 391 Research (1-12 Credit Hours)**

Research in physics or an associated field. This is a variable credit course and can be repeated.

This course satisfies the Engaged Learning requirement.

*Course equivalencies:* PHYS391 / PHYS385 / PHYS386

*Outcomes:*

Under the guidance of a faculty member, students study and understand research methods employed by physicists and gain a deeper understanding of a particular area of physics

**PHYS 394 Argonne Lab Research (3 Credit Hours)**

*Pre-requisites:* Chairperson's permission and acceptance by appropriate program

Study and research at the Argonne National Laboratory. Only those students who are accepted into the Argonne National Laboratory's student program (or similar programs elsewhere) are eligible. No tuition is charged.

*Outcomes:*

Students will work with a research group at Argonne or other laboratory to understand research methods employed by physicists and get a deeper understanding of a particular area of physics

**PHYS 395 Argonne Lab Research (3 Credit Hours)**

*Pre-requisites:* Chairperson's permission and acceptance by appropriate program

Study and research at the Argonne National Laboratory. Only those students who are accepted into the Argonne National Laboratory's student program (or similar programs elsewhere) are eligible. No tuition is charged.

*Outcomes:*

Students will work with a research group at Argonne or other laboratory to understand research methods employed by physicists and get a deeper understanding of a particular area of physics

## Polish (POLS)

**POLS 101 Polish I (3 Credit Hours)**

This course focuses on introducing the student to the basics of Polish, through conversation, pronunciation and grammar. Primary emphasis is on enabling the student to speak and understand basic Polish.

*Interdisciplinary Option:* Polish Studies

*Outcomes:*

Students will be able to use correctly and understand the basic grammatical forms of the verbs, nouns and adjectives of Polish as an inflected language; They will be appropriately prepared to complete the full view of Polish structures in Polish

**POLS 102 Polish II (3 Credit Hours)**

This course focuses on introducing the student to the basics of Polish, through conversation, pronunciation and grammar. Primary emphasis is on enabling the student to speak and understand basic Polish.

*Interdisciplinary Option:* Polish Studies

*Outcomes:*

Students will be able to use correctly and understand the basic grammatical forms of the verbs, nouns and adjectives of Polish as an inflected language; They will be appropriately prepared to complete the full view of Polish structures in Polish

**POLS 103 Polish III (3 Credit Hours)**

*Pre-requisites:* POLS 102

This course is designed to further develop and improve student's ability to speak and read Polish, by introducing advanced grammar, vocabulary, idioms, phraseology and syntax structures.

*Interdisciplinary Option:* Polish Studies

*Outcomes:*

Students will be able to use correctly and understand various grammatical forms of verbs, nouns, adjectives, adverbs and numbers; They will be appropriately prepared to use Polish grammatical and stylistic structures required in POLS 104

**POLS 104 Polish IV (3 Credit Hours)**

*Pre-requisites:* POLS 103

This course focuses on improving the student's ability to communicate in Polish both oral and written. Primary emphasis is on speaking and basic writing in Polish using proper grammatical and stylistic structures.

*Interdisciplinary Option:* Polish Studies

*Outcomes:*

Students will be able to express themselves in spoken and written Polish with the level of fluency appropriate for POLS 250

**POLS 201 Polish Medical Terminology (3 Credit Hours)**

*Pre-requisites:* POLS 104 or equivalent

This course is designed to prepare students for medical and healthcare related professions, future physicians and nurses, healthcare administrators and health insurance specialists. We will study Polish vocabulary for anatomy and physiology, and introduced Polish terms for medical procedures and tests. We will use phraseology common for taking medical history. Students will practice using medical terminology in patient interviews, reading articles from healthcare publications as well as understanding and formulating medical instructions. In this course we will also talk about cultural issues in practicing medicine, including the cultural differences between Polish and American approach. There will be strong emphasis on speaking, listening, and reading Polish.

*Outcomes:*

Students will expand their Polish vocabulary, including body parts and functions, diseases and their manifestations; They will practice taking a medical history in dialogues between medical professionals and their clients as well as use medical names and description

**POLS 202 Polish for Healthcare (3 Credit Hours)**

*Pre-requisites:* POLS 104 or equivalent

This course is designed to prepare students for medical professions, future physicians, dentists, and nurses. We will practice vocabulary for anatomy and physiology, Polish terms for medical procedure and test as well as phraseology used in every day in doctor-patient communication. This course will cover medical specializations such as: pediatrician, nutritionist, internist, immunologist, neurologist, psychiatrist and surgeon. We will also talk about cultural issues in practicing medicine. There will be strong emphasis on speaking, listening, and reading Polish and using more advanced aspects of Polish grammar.

*Outcomes:*

Students will learn medical vocabulary, including body parts and organs, physiology and functions of various systems; They will practice taking medical history in dialogues between medical professionals and their patients, and they will write descriptions of medical conditions

**POLS 250 Composition & Conversation I (3 Credit Hours)**

*Pre-requisites:* POLS 104

This course focuses on improving and further developing student's ability to converse and write in literary Polish language. Primary emphasis is on proper grammatical and stylistic expression in Polish with extended vocabulary and phraseology.

*Interdisciplinary Option:* Polish Studies

*Outcomes:*

Students will be able to express themselves in spoken and written Polish by making oral presentations and writing short compositions; They will be appropriately prepared for POLS 251

**POLS 251 Composition & Conversation II (3 Credit Hours)***Pre-requisites:* POLS 250

This course focuses on enhancing and polishing student's ability to converse and write in contemporary Polish language. Primary emphasis is on standard, literary Polish with its grammatical, orthographical and stylistic level expected of an educated Polish speaker.

*Interdisciplinary Option:* Polish Studies*Outcomes:*

Students will be able to speak fluently, make oral presentations and write essays in standard literary Polish language with fluency of an educated Polish speaker

**POLS 270 Contemporary Polish Culture in the Original Language (3 Credit Hours)***Pre-requisites:* POLS 104 or equivalent

We will discuss the key elements of Polish culture as it is evolving in the fast changing social, technological, and economic circumstances after the political transformation of Central Europe. Students will explore the cultural traditions and values of the pre-WWII generation and the Soviet era generation, which led many to emigrate from Poland.

*Interdisciplinary Option:* Polish Studies**Polish Studies (POST)****POST 199 Topics in Polish Studies: Introductory (1-6 Credit Hours)**

Introduction to a specific theme in Polish Studies, e.g. Polish immigration, emergent Poland after World War II, etc.

*Interdisciplinary Option:* Polish Studies*Outcomes:*

To gain a basic knowledge of Poland through its art, history, politics, religion, philosophy, or cinema

**POST 299 Topics in Polish Studies: Intermediate Topics (1-6 Credit Hours)**

Exploration of important themes in Polish Studies, such as Polish immigration, emergent Poland after World War II, etc.

*Interdisciplinary Option:* Polish Studies*Outcomes:*

To enhance knowledge of Polish Studies through different disciplines: art, history, politics, religion, philosophy, or cinema

**POST 395 Polish Studies Capstone (3 Credit Hours)**

Capstone course to the POST Minor program. This is a tutorial course with a service learning component that serves an integrative purpose. In the tutorial students will focus on a specific issue or theme in POST. The syllabus will reflect the research interests of the faculty member who administers the course.

*Interdisciplinary Option:* Polish Studies

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will be able to integrate their coursework in the POST minor with their major concentration

**POST 399 Topics in Polish Studies: Advanced (1-6 Credit Hours)**

Intensive study of a specific theme or themes in the broad field of Polish Studies: language, art, literature & film, politics, music, and history.

*Interdisciplinary Option:* Polish Studies*Outcomes:*

To provide an in-depth knowledge of Polish Studies

**Political Science (PLSC)****PLSC 100 Political Theory (3 Credit Hours)**

*Pre-requisites:* PHIL 130 or equivalent; please check requirements for declared majors/minors for exceptions

An introduction to political theory, covering the principal ideas, controversies and institutions of political society.

*Knowledge Area:* Tier 2 Philosophical Knowledge*Course equivalencies:* ACPOL 200 / PLSC 100*Outcomes:*

Students will be able to demonstrate an understanding of major approaches to the normative study of politics; to identify the assumptions underlying philosophical arguments; and to critically assess different theories of political justice

**PLSC 101 American Politics (3 Credit Hours)**

*Pre-requisites:* ANTH 100, PLSC 102, PSYC 100, SOCL 101, WSGS 101, or equivalent; please check requirements for declared majors/minors for exceptions

American national government and politics, including institutions, group and electoral processes, and public policy.

*Knowledge Area:* Tier 2 Societal Knowledge*Course equivalencies:* ACPOL 101 / PLSC 101*Outcomes:*

Students will be able to demonstrate an understanding of the American political system, the patterns of political participation and behavior of diverse individuals and groups in American society, and evaluate the roles and processes of U.S. political institutions

**PLSC 102 International Relations in an Age of Globalization (3 Credit Hours)**

Competing perspectives on international politics and global issues such as North-South relations, human rights, war and peace, population growth, and environmentalism.

*Knowledge Area:* Foundational Societal Knowledge

*Interdisciplinary Option:* African Studies and the African Diaspora, Global Studies, Peace, Justice, and Conflict Studies

*Course equivalencies:* PLSC/PAX/ACPOL102/AFR110/INTS2*Outcomes:*

Students will be able to demonstrate an understanding of the main approaches to the study of international politics and to analyze and assess such major substantive issues as interstate war, terrorism, arms control, international political economy and sustainable development

**PLSC 103 Comparative Politics (3 Credit Hours)**

*Pre-requisites:* ANTH 100, PLSC 102, PSYC 100, SOCL 101, WSGS 101, or equivalent; please check requirements for declared majors/minors for exceptions

A cross-national comparison of political institutions and political behavior.

*Knowledge Area:* Tier 2 Societal Knowledge*Interdisciplinary Option:* Global Studies, Global Studies*Outcomes:*

Students will learn why political systems differ and how different political systems function and change

**PLSC 123 Speak Up Democracy (0-3 Credit Hours)**

"Speak Up Democracy" is a course on perennial questions about the workings of democracies. Participating students will investigate the connection between speech and political power, ruminating on whose voices are heard (and silenced) in a democracy. This summer program is animated by a central question: how should we speak to one another in a democracy? The course is open to high school students participating in the summer program.



**PLSC 195 Law and Civil Rights (3 Credit Hours)**

The course focuses on the political processes surrounding laws and civil rights.

**PLSC 202 Mock Trial (3 Credit Hours)**

Students will study the trial as a process for finding truth and administering justice by learning the dynamics of the trial, by developing trial strategy, by learning how to conduct and respond to direct and cross examination and by delivering effective opening and closing arguments. Mock trial is an engaged learning course. Prior Permission is required. This course satisfies the Engaged Learning requirement.

*Outcomes:*

Mock trials are an activity that promotes critical thinking and reasoning; They call upon students to employ their problem-solving and public-speaking skills, and students gain knowledge of legal practices and procedures

**PLSC 203 Moot Court (3 Credit Hours)**

Students will study the appeal as a process for finding truth and administering justice by learning the dynamics of appellate advocacy, by developing oral argument strategies, by learning how to respond to questions posed by judges in competition, and by delivering effective summations and rebuttal arguments. Moot court is an engaged learning course.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Moot court competitions are an activity that promotes critical thinking and reasoning; They will enhance their ability-to-think- on-their-feet skills, their legal research skills, and their public-speaking skills; Students gain knowledge of legal argumentation and constitutional law

**PLSC 204 Conflict Management (3 Credit Hours)**

This course considers a variety of different approaches to international conflict management: direct bargaining, mediation, military intervention, economic sanctions, arbitration, adjudication, and peacekeeping. In addition to learning about the differences among these various conflict resolution techniques.

*Interdisciplinary Option:* Global Studies

*Outcomes:*

This course will treat state conflict as a natural phenomenon that must be understood before it can be mitigated; Doing so requires scientific investigation

**PLSC 208 Representation in the United States (3 Credit Hours)**

Considers what "political representation" means and how scholars study how well representation works in the contemporary United States.

*Outcomes:*

Understanding of concept of political representation and tools scholars use to study representation

**PLSC 213 International Human Rights (3 Credit Hours)**

This course focuses on the theoretical foundations of such international human rights as well as their practical implications. It discusses the roles of states, intergovernmental organizations, and nongovernmental organizations in shaping human rights norms and practices. They will also understand practical causes and consequences of human rights policies.

*Interdisciplinary Option:* Global Studies

*Outcomes:*

Students will be able to identify assumptions of arguments and critically assess different theories of international human rights

**PLSC 215 Politics of Marginalized Groups (3 Credit Hours)**

This course focuses on the role that race, ethnicity, and marginalized status plays in American politics and public policy. It will provide a general overview of several groups, including Blacks, Latinxs, Asian and Muslim Americans, Women, LGBTQ, immigrants and refugees, indigenous peoples and other groups.

*Outcomes:*

Students will acquire an understanding of the historical exclusion of various groups from the political system and the resulting political participation and behavior patterns of minoritized groups in American society

**PLSC 216 Political Numbers (3 Credit Hours)**

This course will train participants to be critical consumers of political arguments that cite quantitative evidence. The course will take a hands-on approach where students learn how to conduct, interpret, and critique quantitative analysis using common statistical software packages.

*Knowledge Area:* Quantitative Knowledge

*Outcomes:*

Students will learn to critically engage with the numbers-based claims they encounter in the political arena and beyond; They will also learn how to conduct and present quantitative analysis

**PLSC 218 African-American Politics (3 Credit Hours)**

The political goals, behavior, voting patterns, group structures, values, and attitudes of various segments of the African-American population, and how these affect the political system.

*Interdisciplinary Option:* African Studies and the African Diaspora, Human Services, Race and Ethnicity

*Course equivalencies:* X-PLSC218/BWS 218

*Outcomes:*

Students will be able to demonstrate an understanding of the patterns of political participation and behavior of African-American individuals and groups in American society

**PLSC 232 Politics of the United Kingdom (3 Credit Hours)**

This course offers an introduction to politics in the United Kingdom (officially known as the United Kingdom of Great Britain and Northern Ireland, and unofficially referred to as Britain).

*Interdisciplinary Option:* European Studies, Global Studies

*Outcomes:*

Students will be able to demonstrate an understanding of the structure and operation of the United Kingdom's domestic political system, as well as its relations with the rest of the world, especially the European Union

**PLSC 236 Political Communication (3 Credit Hours)**

The purpose of this course is to explore and examine how elected officials and institutions communicate to the public - and the role journalists and PR professionals play in the process--through readings, seminar, and practicum. The class will challenge students to grapple with questions like - What is the meaning of the "truth" in today's media environment?

*Outcomes:*

Students will understand how and why journalists cover what they cover, and the roles PR professionals/spin doctors attempt to shape the media narrative

**PLSC 238 Political Advocacy (3 Credit Hours)**

Policy-making and implementation in the United States is a complicated process. In any given year laws are passed by elected officials, decisions that guide our implementation of the law are made by government agencies, and rulings handed down by the courts shape our interpretation of those laws.

*Outcomes:*

Students will understand their place in the policy-making ecosystem, and the efficacy of those efforts

**PLSC 251 Women in American Politics (3 Credit Hours)**

This course focuses on Women and Politics in the United States. It looks at women's movements both historical and current, how women and men in the United States act differently in politics in terms of voting behavior, as political candidates, and as elected leaders. Students will gain a better understanding of the U.S. political system and how and when women are treated equally and unequally when compared with men.

*Interdisciplinary Option:* Women & Gender Studies

**PLSC 252 Capitalism and Its Discontents (3 Credit Hours)**

This course analyzes the intersection of capitalist economics and politics from a critical perspective. Capitalism and Marxism will be reviewed, followed by a critical examination of how capitalism has played out in economic/political practice in the world today. Includes discussions of many economic topics recently in the news, and the potential for change in a variety of directions. Students will learn to critically analyze the ways in which modern economics leads to less than optimal solutions, including economic inequality. They will also learn to identify other options that may lead to greater equality and economic success.

*Interdisciplinary Option:* Global Studies

**PLSC 300 Contemporary Political Issues (3 Credit Hours)**

Variable titles. Investigation of selected topics or methods in politics. This course may apply to any of the four areas of the department, and may be repeated depending on subject matter.

*Outcomes:*

Students will gain an in-depth knowledge of a unique topic in contemporary politics

**PLSC 300A Contemporary Political Issues: American Politics (3 Credit Hours)**

Investigation of selected topics or methods in American Politics. This course may be repeated depending on subject matter.

**PLSC 300B Contemporary Political Issues: Political Theory (3 Credit Hours)**

Investigation of selected topics or methods in Political Theory. This course may be repeated depending on subject matter.

**PLSC 300C Contemporary Political Issues: Comparative Politics (3 Credit Hours)**

Investigation of selected topics or methods in Comparative Politics. This course may be repeated depending on subject matter.

**PLSC 300D Contemporary Political issues in International Relations (3 Credit Hours)**

Investigation of selected topics or methods in International Relations. This course may be repeated depending on subject matter.

**PLSC 301 Political Justice (3 Credit Hours)**

A study of alternative conceptions of political justice and the attempts to institutionalize them in various political systems.

*Outcomes:*

Students will be required to demonstrate a mastery of competing theories about how various goods should be distributed fairly, and apply the just-war doctrine to various real-world cases; This course will help students to analyze and appraise social practices and policies that claim to be consistent with principles of justice

**PLSC 302 American Political Thought (3 Credit Hours)**

Major political themes from the founding era to the present.

*Outcomes:*

Students will learn to interpret and evaluate the assumptions and principles guiding the writings of major American political theorists, and to reflect on their significance in the evolution of American politics and society

**PLSC 303 Conservatism (3 Credit Hours)**

A survey of modern conservative thought. Attention will be devoted to the theoretical and political cleavages within the Right.

*Outcomes:*

Students will learn to interpret and evaluate the assumptions and principles guiding the writings of influential conservative political theorists and their critics, and to reflect on the significance of conservative political theory in promoting a more just society

**PLSC 304 Ancient Political Thought (3 Credit Hours)**

(CLST 305) A study of major political theorists from Plato to the fall of the Roman republic.

*Outcomes:*

Students will learn to interpret and evaluate the assumptions and principles guiding the writings of major Ancient Greek and early Roman political theorists

**PLSC 306 Modern Political Thought (3 Credit Hours)**

A study of major political theorists from Machiavelli to the French Revolution.

*Interdisciplinary Option:* European Studies

*Outcomes:*

Students will learn to interpret and evaluate the assumptions and principles guiding the writings of the major political theorists from Machiavelli to Rousseau

**PLSC 307 Democratic Theory (3 Credit Hours)**

This course examines normative arguments for and against popular rule.

*Outcomes:*

Students will be able to explain and assess critically arguments for and against democratic government

**PLSC 308 Contemporary Political Thought (3 Credit Hours)**

A study of major political theorists from the nineteenth century to the present.

*Interdisciplinary Option:* German Studies

*Outcomes:*

Students will learn to interpret and evaluate the assumptions and guiding principles of the writings of major political theorists from the nineteenth century to the present

**PLSC 309 Socialism (3 Credit Hours)**

A survey of Marxist and post-Marxist socialist thought.

*Interdisciplinary Option:* Polish Studies

*Outcomes:*

Students will learn to interpret and evaluate the assumptions and principles guiding the writings of major socialist political theorists and their critics, and to reflect on the significance of socialist political theory in promoting a more just society

**PLSC 310B Catholic Political Thought (3 Credit Hours)**

A survey of classic and contemporary political thinkers in the Roman Catholic tradition. The problems examined include religious pluralism, moral decay, natural law, distributive justice, political obligation, war, and peace.

**PLSC 311 Social Science Research Practicum: Cook County Community Survey (3 Credit Hours)**

*Pre-requisites:* PLSC 216 or equivalent

Familiarity with R, Stata, SAS, or SPSS necessary. Students will analyze this year's iteration of the annual Cook County Community Survey. They will draw on the data to prepare written, public-facing reports, public presentations, and scholarly research.

This course satisfies the Engaged Learning requirement.

*Course equivalencies:* PLSC 311/SOCL 311

*Outcomes:*

Describe the strengths and limitations of modern polling techniques; Use statistical software to analyze survey data; Communicate findings from surveys to a broad audience orally and in written form

**PLSC 312 Feminist Theory (3 Credit Hours)**

(WOST 318) A survey of classical and contemporary feminist political theory.

*Interdisciplinary Option:* Women & Gender Studies

*Course equivalencies:* X-PLSC312/WOST318/WSGS318

*Outcomes:*

Students will learn to interpret and evaluate the assumptions and principles guiding the writings of influential feminist political theorists and their critics, and to reflect on the significance of feminist political theory in promoting a more just society

**PLSC 313 Resistance and Obligation (3 Credit Hours)**

This course examines normative arguments about the source of political obligation and the right to resist government through various means, both violent and nonviolent.

*Outcomes:*

Students will be able to explain and assess critically various arguments about the duty to obey and the right to disobey government

**PLSC 314 Liberalism (3 Credit Hours)**

A survey of classical and contemporary political theorists in the liberal tradition.

*Outcomes:*

Students will learn to interpret and evaluate the assumptions and principles guiding the writings of major liberal political theorists and their critics, and to reflect on the significance of liberal political theory in promoting a more just society

**PLSC 316 Politics of Genocide (3 Credit Hours)**

This course analyzes the politics surrounding genocide, war crimes and crimes against humanity in contemporary times. The primary focus is on occurrences since the end of the Cold War, including the former Yugoslavia, Rwanda, Sudan and the Democratic Republic of the Congo.

*Interdisciplinary Option:* African Studies and the African Diaspora, Global Studies, Race and Ethnicity

*Outcomes:*

Students will be able to demonstrate an understanding of genocide and other massive human rights violations, along with the role of the international community in preventing future atrocities

**PLSC 317 Politics of International Health (3 Credit Hours)**

This course discusses political issues in the field of international health, including comparing health care systems in the industrialized world, and treatment of diseases in the developing world, particularly Africa (HIV/AIDs, TB, Malaria, etc). Students will be able to demonstrate an understanding of international health and comparative health systems.

*Interdisciplinary Option:* African Studies and the African Diaspora, Global Studies

**PLSC 318 Politics & the Economy (3 Credit Hours)**

This course examines how and why the U.S. government influences the economy. The government is the single most important actor in the economy, both as a consumer and as an entity seeking to manage important aspects of the economy.

*Outcomes:*

At the end of the course, students should be able to demonstrate knowledge about the key public and private institutions involved in economic policy and politics; Provide explanations of the development of both historical and contemporary economic policies; Explain the underlying bases of contemporary economic issues and competing views on appropriate policy actions to address them; Be able to access available public sources to conduct research on economic problems and policies

**PLSC 319 Women, Law & Public Policy (3 Credit Hours)**

The legal arrangements and public policies that structure the relationships of women and men in American society.

*Interdisciplinary Option:* Human Services, Women & Gender Studies

*Course equivalencies:* X-PLSC319/WOST319/WSGS319

*Outcomes:*

Students will be able to analyze and appraise the impact of judicial decisions and public policies on women in the United States

**PLSC 320 Constitutional Law-Due Process (3 Credit Hours)**

The Supreme Court's role in defining substantive and procedural due process issues such as criminal procedure, individual autonomy, and economic regulation.

*Interdisciplinary Option:* Sociolegal Studies

*Outcomes:*

Students will be able to demonstrate an understanding of the meaning and application of due process in American law and its impact in safeguarding individual freedoms and civil rights

**PLSC 321 Constitutional Law-Powers of Government (3 Credit Hours)**

The Supreme Court's role in allocating power among the three branches of the national government and between the state and federal governments.

*Interdisciplinary Option:* Sociolegal Studies

*Outcomes:*

Students will be able to demonstrate an understanding of alternative judicial approaches to the separation of governmental powers

**PLSC 322 Constitutional Law-Rights and Liberties (3 Credit Hours)**

The Supreme Court's role in defining constitutional guarantees of equal protection and individual freedom.

*Interdisciplinary Option:* Sociolegal Studies

*Outcomes:*

Students will be able to demonstrate an understanding of the meaning, protection and boundaries of civil rights and individual liberties in American law

**PLSC 323 Children, Law & Public Policy (3 Credit Hours)**

The constitutional rights of children in the home, the classroom, and the courtroom, and such policy areas as public welfare assistance, child abuse and neglect, and child support enforcement.

*Interdisciplinary Option:* Human Services

*Outcomes:*

Students will be able to analyze and assess the impact of judicial decisions and public policies on children and families in the United States

**PLSC 324 Civil-Military Relations (3 Credit Hours)**

An exploration of the nature of military professionalism and the relationship between the military and the civil society whose task it is to defend.

*Outcomes:*

Students will understand the role of the military in a free society, and the complex interactions between democratic norms and military organization

**PLSC 325 American Foreign Policy (3 Credit Hours)**

(INTS 375) Origins and development of American foreign policies; the method of their formulation and conduct.

*Interdisciplinary Option:* Global Studies

*Course equivalencies:* X-PLSC325/INTS375

*Outcomes:*

Students will be able to demonstrate an understanding of the formulation, adoption and implementation of American foreign policy and its impact on domestic and international affairs

**PLSC 326 American National Security (3 Credit Hours)**

American national security policy, including the role of major political actors, the defense budgetary process, and the capability and effectiveness of the military.

*Interdisciplinary Option:* Peace, Justice, and Conflict Studies

*Course equivalencies:* X-PLSC326/PAX 327

*Outcomes:*

Students will be able to analyze and assess the formation, adoption and implementation of national security policies in the United States and their impact on domestic and international affairs

**PLSC 327 Political Psychology (3 Credit Hours)**

Political attitudes from a social psychological perspective with emphasis on cognitive development models.

*Outcomes:*

Students will be able to understand the psychological sources of political decision making

**PLSC 328 Political Behavior (3 Credit Hours)**

This course covers a range of topics pertaining to political behavior in the United States. Topics will include research on the factors that shape public attitudes about political matters, and work that examines who participates in politics and why.

**PLSC 329 Interest Group Politics (3 Credit Hours)**

A study of the role of interest groups in American politics and policy.

*Outcomes:*

Students will be able to analyze and assess the patterns of political participation and behavior of diverse interest groups and their impact on the American political system

**PLSC 330 Global Justice (3 Credit Hours)**

This course explores debates about global justice such as immigration, climate change, free trade, and humanitarian interventions. Rooted in political theory, the course also includes readings from sociology, philosophy, and economics.

*Interdisciplinary Option:* Global Studies, Peace Studies, Global Studies, Peace Studies

*Course equivalencies:* X-PLSC330/PAX 330

*Outcomes:*

Students will learn to critically assess different theories of political justice and learn how to evaluate the moral and political justifications of international practices and policies

**PLSC 331 Islamic Political Thought (3 Credit Hours)**

An introduction to Islamic political thought, covering main ideas, questions, debates of the Islamic religio-political society, from the Qur'an to the present. Among the authors studied include al-Farabi, al-Mawardi, Ibn Khaldun, Islamic feminists, Islamic modernists, and Islamists.

*Interdisciplinary Option:* Global Studies, Islamic World Studies, Global Studies, Islamic World Studies

*Outcomes:*

Students will be able to identify assumptions of arguments, critically assess different theories, and, having been familiarized with the inherent entanglement of religion and politics, will be able to identify what is specific to Islamic governance and what may be universalized

**PLSC 332 Politics of American Bureaucracies (3 Credit Hours)**

The political and social aspects of American bureaucracies at the local, state and national levels with emphasis on the roles of administrators and administrative institutions in the political system and policy process.

*Outcomes:*

Students will be able understand the role of the federal bureaucracy in the formulation, adoption and implementation of public policies, and their impact on the everyday lives of citizens

**PLSC 333 Crossing Borders: The Politics of Immigration (3 Credit Hours)**

This course explores immigration policies and practices around the world. The primary goal is to gain a better understanding of the choices both countries and would-be immigrants face, as well as the consequences of the laws and policies enacted to regulate the movement of people across borders.

*Interdisciplinary Option:* Global Studies, Human Services, Global Studies, Human Services

*Outcomes:*

Understand the range of motivations that cause people to migrate, the laws and policies to regulate this movement, the consequences of migration, and contribute to societal debates about migration

**PLSC 334 Urban Policies and Problems (3 Credit Hours)**

An analysis of selected problems confronting governments in urban America as well as the range of public policies that address urban problems. (May be repeated with different issues.)

*Interdisciplinary Option:* Human Services, Race and Ethnicity, Urban Studies

*Outcomes:*

Students will obtain in-depth knowledge of a unique topic in the area of urban policy-making



**PLSC 335 Urban Semester Seminar (3 Credit Hours)**

See course description for SOCL 335.

*Interdisciplinary Option:* Urban Studies

This course satisfies the Engaged Learning requirement.

*Course equivalencies:* X-SOCL335/PLSC335

*Outcomes:*

See outcome for SOCL 335

**PLSC 336 Politics in Contemporary China (3 Credit Hours)**

This course primarily focuses on domestic politics in post-1978 China. It introduces and examines China's key political institutions and players, various forms of political participation by political elites and ordinary citizens, and issues on governance and political reforms.

*Interdisciplinary Option:* Asian Studies, Global & International Studies, Global Studies, Peace Studies, Asian Studies, Global & International Studies, Global Studies, Peace Studies

*Course equivalencies:* X-COMM304/PLSC/PAX336/INTS310

*Outcomes:*

Students will be able to make informed use of China as a case in more general arguments and have a solid footing from which to pursue more in-depth study of particular topics in China

**PLSC 337 Terrorism (3 Credit Hours)**

An analysis of different types of terrorist insurgencies across the globe and of the efforts by governments to combat terrorism

*Interdisciplinary Option:* Global Studies

*Course equivalencies:* X-PLSC337/INTS337/CJC337

*Outcomes:*

Students will be able to explain what motives the turn to terror as a method of struggle and to assess the morality and effectiveness of the counterterrorism tactics adopted by various governments

**PLSC 339 Political Ideologies (3 Credit Hours)**

(INTS 369) A comparative analysis of important modern political ideologies and the functions they serve in the political system. Attention will be devoted to the ideologies of non-Western regimes and movements.

*Interdisciplinary Option:* Global Studies

*Course equivalencies:* X-PLSC339/INTS339

*Outcomes:*

Students will be able to analyze and assess the role and impact of political ideologies in the foundation, development, and justification of various political regimes

**PLSC 340 International Relations of Africa (3 Credit Hours)**

(BWS 340) (INTS 340) An introduction to the international relations of the countries that comprise the African continent. The primary focus is the evolution of African international relations during the post-colonial period (c. 1960-present).

*Interdisciplinary Option:* African Studies and the African Diaspora, Global Studies, Islamic World Studies

*Course equivalencies:* X-PLSC340/BWS 340/INTS340

*Outcomes:*

Students will be able to demonstrate an understanding of the nature and evolution of African international relations with the major northern industrialized democracies and various regions of the developing world

**PLSC 342 African Politics (3 Credit Hours)**

(BWS 342) (INTS 342) Forces shaping political societies south of the Sahara: the heritage of colonialism, the sociology of modernization, race related stresses, economic factors, and political movements.

*Interdisciplinary Option:* African Studies and the African Diaspora, Global Studies, Islamic World Studies

*Course equivalencies:* PLSC342/BWS 342/INTS342/IWS342

*Outcomes:*

Students will be able to demonstrate an understanding of the formation and structure of African political systems, the patterns of political participation and behavior of diverse individuals, groups, and governments in African societies, and evaluate the roles and processes of African political institutions

**PLSC 343 Latin American Politics (3 Credit Hours)**

(INTS 343) (LASP 343) Historical, cultural, economic and political forces in the governments of Latin America and the Caribbean.

*Interdisciplinary Option:* Global Studies, Latin American Studies

*Course equivalencies:* X-PLSC343/INTS343/LASP343

*Outcomes:*

Students will be able to demonstrate an understanding of the formation and structure of Latin American and Caribbean political systems, the patterns of political participation and behavior of diverse individuals, groups, and governments in Latin American and Caribbean societies, and evaluate the roles and processes of Latin American and Caribbean political institutions

**PLSC 344 Contemporary Issues in Latin America (3 Credit Hours)**

(INTS 344) (LASP 344) A study of political forces and processes relating to population movement, land use, and urbanization in Latin America and the Caribbean.

*Interdisciplinary Option:* Global Studies, Latin American Studies

*Course equivalencies:* X-PLSC344/INTS344/LASP344

*Outcomes:*

Students will obtain in-depth knowledge of a unique topic in Latin American and Caribbean politics

**PLSC 345 South & Southeast Asian Politics (3 Credit Hours)**

(ASIA 343) (INTS 345) Political forces and developments of the Asian cultures.

*Interdisciplinary Option:* Asian Studies, Global Studies

*Course equivalencies:* X-PLSC345/ASIA343/INTS345

*Outcomes:*

Students will be able to demonstrate an understanding of the formation and structure of South and Southeast Asian political systems, the patterns of political participation and behavior of diverse individuals and groups in South and Southeast Asian societies, and evaluate the roles and processes of South and Southeast Asian political institutions

**PLSC 346 East Asian Politics (3 Credit Hours)**

(ASIA 342) (INTS 346) The social forces and structure of politics and government of East Asia.

*Interdisciplinary Option:* Asian Studies, Global Studies

*Course equivalencies:* X-PLSC346/ASIA342/INTS346

*Outcomes:*

Students will be able to demonstrate an understanding of the formation and structure of East Asian political systems, the patterns of political participation and behavior of diverse individuals and groups in East Asian societies, and evaluate the roles and processes of East Asian political institutions

**PLSC 347 The European Union (3 Credit Hours)**

(INTS 381) An introduction to the European Union, a regional organization linking the nations of Europe.

*Interdisciplinary Option:* European Studies, Global Studies, Polish Studies

*Course equivalencies:* X-PLSC347/INTS381

*Outcomes:*

Students will be able to demonstrate an understanding of the formation and structure of the European Union, the patterns of political participation and behavior of diverse individuals, groups, and governments in the European Union, and evaluate the roles and processes of the European Union's political institutions

**PLSC 348 Soviet & Post-Soviet Politics (3 Credit Hours)**

(INTS 382) An examination of the institutions, processes, and policies of the former Soviet Union and its successor states.

*Interdisciplinary Option:* European Studies, Global Studies, Polish Studies

*Course equivalencies:* X-PLSC348/INTS382

*Outcomes:*

Students will be able to demonstrate an understanding of the formation and structure of the former Soviet Union, the patterns of political participation and behavior of diverse individuals and groups in the former Soviet Union, and evaluate the roles and processes of the former Soviet Union's political institutions; Students will also be able to understand the collapse of the former Soviet Union and the formation and structure of its successor states

**PLSC 349 Eastern European Politics (3 Credit Hours)**

(INTS 382) An examination of the institutions, processes, and policies of the former Soviet Union and its successor states.

*Interdisciplinary Option:* European Studies, Global Studies, Polish Studies

*Course equivalencies:* X-PLSC349/INTS349

*Outcomes:*

Students will be able to demonstrate an understanding of the formation and structure of the former Soviet Union, the patterns of political participation and behavior of diverse individuals and groups in the former Soviet Union, and evaluate the roles and processes of the former Soviet Union's political institutions; Students will also be able to understand the collapse of the former Soviet Union and the formation and structure of its successor states

**PLSC 350 Politics of International Economic Relations (3 Credit Hours)**

(INTS 350) An examination of international political-economic relations with an emphasis on the post-World War II period.

*Interdisciplinary Option:* Global Studies

*Course equivalencies:* X-PLSC350/INTS350

*Outcomes:*

Students will be able to demonstrate an understanding of the interrelationship between the international economic and political systems

**PLSC 351 Latin American International System (3 Credit Hours)**

(INTS 395) (LASP 341) An introduction to the international relations of the countries of Latin America and the Caribbean. The primary focus is the evolution of Latin American and Caribbean international relations during the Cold War period. Students will gain an in-depth knowledge of how U.S. influence, revolutionary insurgencies, trade, the illicit narcotics traffic, human rights concerns, and international organizations have positively and negatively affected the region.

*Interdisciplinary Option:* Global Studies, Latin American Studies

*Course equivalencies:* X-PLSC351/INTS395/LASP341

*Outcomes:*

Students will be able to demonstrate an understanding of the interrelationship between the international system and the foreign policies of the countries of Latin America and the Caribbean

**PLSC 352 Canadian Politics (3 Credit Hours)**

(INTS 320) The Canadian system of government, focusing on the Parliament, the Prime Minister and permanent government, the judiciary, political actors such as organized interests, political parties, mass media, and public opinion.

*Interdisciplinary Option:* Global Studies

*Course equivalencies:* X-PLSC352/INTS320

*Outcomes:*

Students will be able to demonstrate an understanding of the Canadian political system, the patterns of political participation and behavior of diverse individuals and groups in Canadian society, and evaluate the roles and processes of Canadian political institutions

**PLSC 353 International Law (3 Credit Hours)**

(INTS 353) (PAX 353) Introduction to legal principles and procedures of recognized international law.

*Interdisciplinary Option:* Global Studies, Peace, Justice, and Conflict Studies, Sociolegal Studies

*Course equivalencies:* X-PLSC353/INTS353/PAX 353

*Outcomes:*

Students will be able to demonstrate an understanding of the role and impact of law and legal principles and institutions in international relations

**PLSC 354 Global Environmental Politics (3 Credit Hours)**

(ESP 354) (INTS 354) (PAX 354) Examines the linkages between the world's natural environment and the global political system.

*Interdisciplinary Option:* Global Studies, Peace, Justice, and Conflict Studies

*Course equivalencies:* X-PLSC/ESP/INTS/PAX 354

*Outcomes:*

Students will be able to demonstrate an understanding of the role of various private, national and international actors in the formulation, adoption and implementation of environmental public policies

**PLSC 355C Women and Politics: A Cross-National Perspective (3 Credit Hours)**

This course offers a cross-national perspective of women's status in the political world, as voters, activists, and officeholders. It examines women's participation in the developed and developing world. Students will acquire knowledge of the role of women as political actors in a multitude of nations in the world.

*Interdisciplinary Option:* Global Studies, Women & Gender Studies

*Course equivalencies:* PLSC355C/WSGS355C/INTS361C

**PLSC 356 Intervent in World Politics (3 Credit Hours)**

(INTS 356) (PAX 356) Examines the purposeful use of political, economic, and military instruments by one country to influence the domestic or the foreign policies of another country.

*Interdisciplinary Option:* Global Studies, Peace, Justice, and Conflict Studies

*Course equivalencies:* X-PLSC356/INTS356/PAX 356

*Outcomes:*

Students will obtain an in-depth knowledge of the historical evolution, potential constraints, and case studies of U.S. intervention in the post World-War II era

**PLSC 357 Hollywood and Law (3 Credit Hours)**

This course analyzes films that focus on justice, the law, and the legal system, to see what they tell us about political and legal culture, and what messages (if any) they have for contemporary politics.

*Interdisciplinary Option:* Global & International Studies, Global & International Studies

*Course equivalencies:* X-PLSC357/INTS357

*Outcomes:*

Student will analyze how Hollywood portrays law, policy, and major trials and court decisions as well as be able to locate and ask questions about how the depiction of law, politics, and civic responsibility have changed across time

**PLSC 358 War, Peace and Politics (3 Credit Hours)**

(PAX 358) The historical evolution of war, the nature of wars in the 20th century and into the 21st century, the nature of threats, sources of conflict, and procedures for peaceful resolution of disputes.

*Interdisciplinary Option:* Global Studies

*Course equivalencies:* X-PLSC358/INTS358/PAX 358

*Outcomes:*

Students will be able to demonstrate an understanding of the principal causes of wars, the means and ends of warfare, and the process and prospects of reestablishing peace

**PLSC 358D The Scientific Study of War (3 Credit Hours)**

This course provides an introduction to & overview of the concepts & approaches related to the causes of war, conflict, and peace in the international system. The main topics of the course are: (1) an introduction to understanding war as a social science topic, (2) the origins of the demands and disputes that can lead to war, (3) the escalation of these, (4) the expansion of war, (5) the consequences of war, and (6) the possibility of peace.

*Interdisciplinary Option:* Global Studies

**PLSC 359 Revolutions (3 Credit Hours)**

(INTS 368) A critical examination of different empirical theories of revolution. Case studies will be drawn from Europe, Asia, Africa, and the Americas.

*Interdisciplinary Option:* Global Studies

*Course equivalencies:* X-PLSC359/INTS384

*Outcomes:*

Students will be able to analyze and assess the causes, development, and consequences of modern revolutionary movements and revolutions

**PLSC 360 Western European Politics (3 Credit Hours)**

(INTS 360) Comparative study of the structures, processes, and functions of the parties and governments of the western powers with emphasis on the United Kingdom, France and the German Federal Republic.

*Interdisciplinary Option:* European Studies, Global Studies

*Course equivalencies:* PLSC360/INTS360

*Outcomes:*

Students will be able to demonstrate an understanding of the formation and structure of West European political systems, the patterns of political participation and behavior of diverse individuals and groups in West European societies, and evaluate the roles and processes of West European political institutions

**PLSC 362 Politics Developing Societies (3 Credit Hours)**

(INTS 362) Social, economic, and ideological factors influencing political developments in emerging nations.

*Interdisciplinary Option:* Global Studies

*Course equivalencies:* X-PLSC362/INTS362

*Outcomes:*

Students will be able to demonstrate an understanding of the foundation and structure of emerging nations, the patterns of political participation and behavior of diverse individuals, groups, and governments in developing societies, and evaluate the roles and processes of political institutions in developing societies

**PLSC 363 International Politics (3 Credit Hours)**

This course is intended to serve as an advanced exploration of the field of international politics. Students will explore the most recent developments in international relations theory and select political developments within the international system, including the evolution of these developments in various regions of the world.

*Interdisciplinary Option:* Global Studies

*Outcomes:*

Students will hone their ability to assess/critique cutting edge theories and developments within the field of international politics

**PLSC 364 UN & International Organization (3 Credit Hours)**

(INTS 364) (PAX 364) An examination of the purposes, organization, background, and operations of existing international organizations.

*Interdisciplinary Option:* Global Studies, Peace, Justice, and Conflict Studies

*Course equivalencies:* X-PLSC364/INTS364/PAX 364

*Outcomes:*

Students will be able to demonstrate an understanding of the formation and structure of various International Organizations, especially the United Nations, the patterns of political participation and behavior of individuals, private and public groups, and governments in International Organizations, and evaluate the roles and processes of International Organizations

**PLSC 365 Italian Politics & Government (3 Credit Hours)**

(INTS 365) (ROST 365) An examination of the institutions, processes, and practices of Italian political life. Major concern is with post-1945 Italian politics.

*Interdisciplinary Option:* European Studies, Global Studies, Italian Studies

*Course equivalencies:* X-PLSC365/INTS365/ROST365

*Outcomes:*

Students will be able to demonstrate an understanding of the formation and structure of Italy's contemporary political system, the patterns of political participation and behavior of diverse individuals and groups in Italian society, and evaluate the roles and processes of Italian political institutions

**PLSC 366 Dictatorship (3 Credit Hours)**

This comparative politics course examines the origins, dynamics, and contradictions of various nondemocratic forms of government, including military and party dictatorships.

*Interdisciplinary Option:* Global Studies

*Course equivalencies:* X-PLSC366/INTS366

*Outcomes:*

Students will be able to explain why authoritarian systems rise and fall and how politics in these systems compares to the political process in democratic states

**PLSC 367 Model United Nations (3 Credit Hours)**

Introduction to the operations and practices of United Nations, including training for student participation in the Model U.N. program. Students taking PLSC 367 Model UN class and act as leaders of the team that represents Loyola at the New York conference. Prior permission required to enroll.

*Interdisciplinary Option:* Global Studies, Global Studies, Peace Studies, Peace, Justice, and Conflict Studies, Global Studies, Global Studies, Peace Studies, Peace, Justice, and Conflict Studies

*Course equivalencies:* X-PLSC367/INTS367/PAX 367

*Outcomes:*

Students will demonstrate an understanding of the formation and structure of the United Nations; Understanding is enhanced by the practical experience gained by participating in Loyola's Model UN program

**PLSC 368 Politics of the Middle East (3 Credit Hours)**

This course will draw upon the theoretical insights of comparative politics to examine politics in the Middle East and North Africa. The seminar focuses on issues that are important for understanding the contemporary politics of the region, from the persistence of authoritarianism, petropolitics, political Islam, Arab-Israeli conflict, and the rise of ISIS to ethnic divisions, gender relations, and social movements.

*Interdisciplinary Option:* Arabic Language and Culture, Global Studies, Islamic World Studies

*Course equivalencies:* X-PLSC368/INTS391/IWS368

**PLSC 369 Politics of Energy (3 Credit Hours)**

The course will discuss how the challenges of climate change, energy security, and poverty alleviation are being tackled by politicians and the public. It will also assess the degree to which changes in energy resources bring changes in economic, political, and social power.

*Interdisciplinary Option:* Global & International Studies, Global Studies, Islamic World Studies, Peace Studies, Global & International Studies, Global Studies, Islamic World Studies, Peace Studies

*Course equivalencies:* PLSC369/INTS386/PAX386/IWS369

*Outcomes:*

Students will gain a firm understanding of the various global and regional trends that are shaping 21st Century foreign policy behavior generally, and energy diplomacy specifically

**PLSC 370 Fieldwork in Political Science-Internship (1-6 Credit Hours)**

Practical experience in political and governmental agencies and organizations in Chicago and Washington, D.C.

*Interdisciplinary Option:* Human Services

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students learn about different forms of public service and the ethical responsibilities of civic engagement; Working in a professional office for fifteen weeks allows students to experience the world of public service first-hand; Students will be able to demonstrate an understanding of models of leadership and public service by working with supervisors who are normally leaders in their fields

**PLSC 371 Roman Law (3 Credit Hours)**

(CLST 362) An introduction to the general principles and basic concepts of Roman civil law with emphasis upon the Late Republican-Early Imperial period.

*Interdisciplinary Option:* European Studies

*Course equivalencies:* X-CLST362/PLSC371/ROST362

*Outcomes:*

Students will be able to demonstrate an understanding of the assumptions and principles guiding the formulation and implementation of Roman civil law

**PLSC 372 Crime, Race & Violence (3 Credit Hours)**

This course discusses the political aspects that affect crime and violence in the United States, with a special focus on questions of race.

*Interdisciplinary Option:* African Studies and the African Diaspora, Human Services, Peace, Justice, and Conflict Studies, Psychology of Crime and Justice, Sociolegal Studies, Urban Studies

*Course equivalencies:* X-CJC/BWS/AFR/PLSC372/PAX373

**PLSC 373 Politics and Literature (3 Credit Hours)**

Literature as a medium of political analysis and political criticism. The literary tradition examined may vary, and the course may be repeated for credit, depending on the subject matter.

*Outcomes:*

Students will learn to interpret and evaluate the political assumptions and principles underlying the writings of major literary figures, and to reflect on the role and significance of literature in promoting a more just society

**PLSC 374 Democracy (3 Credit Hours)**

A critical examination of the theory and practice of democratic government. The subfield to which this course belongs varies depending on its content.

*Outcomes:*

Students will be able to analyze and assess the theoretical arguments for and against democracy, and to demonstrate an understanding of the various institutional arrangements of democratic government

**PLSC 376 Political Behavior and Public Opinion (3 Credit Hours)**

This course will cover a range of topics pertaining to public opinion and political behavior in the United States. Topics will include how public opinion is measured, research on the factors that shape public attitudes about political matters, and work that examines who participates in politics and why.

*Outcomes:*

Students will learn about substantive scholarly findings on these topics, as well as the methodologies researchers use to answer questions about public opinion and political participation

**PLSC 377 American Public Policies (3 Credit Hours)**

Public policy-making at the national and state government levels; includes social, economic, fiscal, judicial, and moral policies.

*Course equivalencies:* PLSC377 / PLSC205

*Outcomes:*

Students will obtain in-depth knowledge of a unique topic in the area of American public policy adoption and implementation



**PLSC 378 Intro to Political Economy (3 Credit Hours)**

The relationships between political and economic systems with an emphasis on revenues and expenditures, and the consequences of fiscal and monetary policies on economic activity.

*Course equivalencies:* PLSC378 / PLSC207

*Outcomes:*

Students will be able to analyze the role of the economy and economic actors in the adoption of public policies, especially in the formulation and implementation of the budget, and their impact on the economic lives of citizens

**PLSC 379 The Legislative Process (3 Credit Hours)**

Legislative campaigns and elections, the formal procedures of law making, the influence of political parties and interest groups, and the interaction with the president, the judiciary, and the bureaucracy.

*Course equivalencies:* PLSC379 / PLSC210

*Outcomes:*

Students will be able to analyze and assess the role and processes of the US Congress in the deliberation and formulation of domestic policies and their impact on the everyday lives of citizens

**PLSC 380 Public Policy Analysis (3 Credit Hours)**

The course offers a broad approach to the study of public policy.

**PLSC 381 The American Presidency (3 Credit Hours)**

The powers, roles, and responsibilities of the presidential office with special attention to political leadership, the bureaucracy, and political parties.

*Course equivalencies:* PLSC381 / PLSC211

*Outcomes:*

Students will be able to analyze and assess the role and impact of the U.S. presidency on domestic policy and foreign affairs

**PLSC 384 The Judicial Process (3 Credit Hours)**

The judicial process in the American court system from the Supreme Court to local trial courts, civil and criminal procedure, appellate court decision-making, and the impact of judicial policies on American politics and society.

*Interdisciplinary Option:* Sociolegal Studies

*Course equivalencies:* PLSC384 / PLSC212

*Outcomes:*

Students will be able to analyze and assess the role and impact of the U.S. court system on the protection of individual freedoms and civil rights

**PLSC 385 Introduction to Law (3 Credit Hours)**

The nature of law in society, including the constitutional origins and institutional structure of legal systems, the practices of the legal profession, and the substance of selected areas of case law.

*Interdisciplinary Option:* Sociolegal Studies

*Course equivalencies:* CRMJ375/PLSC385/PLSC214

*Outcomes:*

Students will be able to understand the role of law and the legal system in American politics and its impact on the everyday lives of citizens

**PLSC 386 Campaigns and Elections (3 Credit Hours)**

The organization, functions, and behavior of political parties and elections in the United States.

*Course equivalencies:* PLSC386 / PLSC217

*Outcomes:*

Students will be able to analyze and evaluate the role and impact of political parties and elections on the American political system

**PLSC 387 Politics and the Press (3 Credit Hours)**

A study of the dynamics between politics and the press, including its impact on campaigns, elections, and public policy.

*Course equivalencies:* X-PLSC387/CMUN340

*Outcomes:*

Students will be able to analyze and assess the role and impact of the press on the American politics

**PLSC 388 The Morality and Legality of War (3 Credit Hours)**

Competing perspectives on the moral, legal, and practical challenges of military force as a tool of foreign policy, especially focused on the complexity of using force to pursue humanitarian goals.

*Interdisciplinary Option:* Global Studies, Global Studies

*Outcomes:*

Students will be able to demonstrate an understanding of just war theory, international humanitarian law, and major theories of humanitarianism, to analyze the stakes and trade-offs involved in decisions about war and peace, and to critically engage with contemporary foreign policy events

**PLSC 389 State Politics (3 Credit Hours)**

A comparative study of the composition and powers of state governments.

*Course equivalencies:* PLSC389 / PLSC221

*Outcomes:*

Students will be able to demonstrate an understanding of state governments, the patterns of political participation and behavior of diverse individuals and groups in state politics, and evaluate the roles and processes of state political institutions

**PLSC 390 Urban Politics (3 Credit Hours)**

Political processes in cities and other local governments, Examination of mayors, city councils, bureaucrats, and their interaction with local citizens and interest groups.

*Interdisciplinary Option:* Human Services, Race and Ethnicity, Urban Studies

*Course equivalencies:* PLSC390 / PLSC222

*Outcomes:*

Students will be able to demonstrate an understanding of urban governments, the patterns of political participation and behavior of diverse individuals and groups in urban politics, and evaluate the roles and processes of urban political institutions

**PLSC 391 Chicago Politics (3 Credit Hours)**

The political groups in Chicago, their political power and impact on city politics and policy. Attention will be given to the powers and roles of city council and the mayor's office.

*Interdisciplinary Option:* Human Services, Italian American Studies

*Course equivalencies:* PLSC391 / PLSC224

*Outcomes:*

Students will be able to demonstrate an understanding of Chicago government, the patterns of political participation and behavior of diverse individuals and groups in Chicago politics, and evaluate the roles and processes of Chicago's political institutions

**PLSC 392 Environmental Politics (3 Credit Hours)**

The issues, significant actors, and public policies relating to the environment. (ESP 235) (PAX 235)

*Interdisciplinary Option:* Peace, Justice, and Conflict Studies, Urban Studies

*Course equivalencies:* PLSC392/PLSC/ESP/PAX235

*Outcomes:*

Students will be able to analyze and assess the role of various actors in the formulation, adoption and implementation of environmental public policies, and their impact on the everyday lives of citizens

**PLSC 393 Black Politics (3 Credit Hours)**

This course will present a general overview of black politics in America, including the major black political ideologies and their theoretical underpinnings and the role of race in urban politics in the late twentieth and early twenty-first centuries.

*Interdisciplinary Option:* African Studies and the African Diaspora

*Course equivalencies:* X-HIST374/PLSC393/BWS374

*Outcomes:*

Students will gain an understanding of how the circumstances of Reconstruction shaped black political ideologies; how blacks came into political power in major urban centers; and what the contours of debate are in the black community over provocative issues such as the criminal justice system, affirmative action, reparations, and education

**PLSC 395 Political Science Honors Seminar (3 Credit Hours)**

Variable titles. Investigation of selected topics or methods in Political Science.

*Outcomes:*

Students will gain an in-depth knowledge of a unique topic or method in Political Science

**PLSC 396 Directed Readings (1-3 Credit Hours)**

Opportunity for an unusually accomplished student to pursue a discrete area of knowledge in political studies in a format designed to stimulate highly productive effort.

*Outcomes:*

Students will hone research and writing skills in close collaboration with a faculty sponsor

**PLSC 397 Urban Studies Research (3 Credit Hours)**

The course allows students to engage in research-related projects related to urban studies.

*Interdisciplinary Option:* Urban Studies

*Course equivalencies:* X-PLSC397/URB397

**PLSC 398 Washington DC Internship Seminar (3 Credit Hours)**

This course requires you to combine your academic interests and your internship, allowing you to reflect on and think deeply about the relationship between your internship, experience and academic learning. This course will also explore political Washington.

*Outcomes:*

This course will clarify students' career goals, and demonstrate how these goals can be enhanced by their academic work

**PLSC 399 Tunisia On-Site: Arab Spring, Democratic Change, Islam (3 Credit Hours)**

A combination of site visits, lectures, and group discussions throughout Tunisia provides a unique experiential understanding of the relationship between the Arab spring, democratic change, Islam, gender relations, and U.S. foreign policy amidst the historical inheritances of the Carthaginian, Roman, Islamic, and French empires in North Africa.

*Interdisciplinary Option:* African Studies and the African Diaspora, Arabic Language and Culture, Global Studies, Islamic World Studies, Women & Gender Studies

*Course equivalencies:* X-PLSC 399/HIST 313T

*Outcomes:*

Experientially based knowledge of the politics, society, culture, history, and international relations of a country (Tunisia) in a region (North Africa) at the intersection of Africa and the Middle East

**Portuguese (PORT)****PORT 101 Portuguese I (3 Credit Hours)**

This course is an introduction to the basic elements of Portuguese that will enable the student to develop communicative language skills and fundamental cultural knowledge. This course is designed for students with no previous experience in Portuguese.

*Outcomes:*

Students will be able to understand simple messages and short narratives, respond to basic inquiries and provide personal information orally and in writing, as well as understand basic written texts and cultural contexts

**PORT 102 Elementary Portuguese II (3 Credit Hours)**

*Pre-requisites:* Portuguese 101 or equivalent

This course is a continuation of the introduction to the basic elements of Portuguese that will enable the student to develop communicative language skills and cultural knowledge.

*Outcomes:*

Students will continue to develop their basic comprehension, speaking, reading and writing skills and cultural knowledge in the Portuguese language

**Psychology (PSYC)****PSYC 100 Psychological Perspectives on the Experience of Globalization (3 Credit Hours)**

Globalization from a psychological perspective. Applying core psychological concepts, research and theory to cross-cultural issues of behavior and development. Topics may include human rights of children, human trafficking, immigration, moral issues of international trade, parenting across cultures.

*Knowledge Area:* Foundational Societal Knowledge

*Outcomes:*

Students will learn basic concepts and theories and apply them to real-world globalization problems

**PSYC 101 General Psychology (3 Credit Hours)**

*Pre-requisites:* ANTH 100, PLSC 102, PSYC 100, SOCL 101, WSGS 101, or equivalent; please check requirements for declared majors/minors for exceptions

Introduction to concepts, theories, and methods in psychology. Emphasis is given to the scientific study of consciousness and human behavior.

Topics include: human development, learning, thinking, perception, personality, testing, mental illness and mental health, biological and social aspects of behavior.

*Knowledge Area:* Tier 2 Societal Knowledge

*Interdisciplinary Option:* Human Services, Psychology of Crime and Justice

*Course equivalencies:* ACPSY 201 / PSYC 101

*Outcomes:*

Students will master basic concepts and key theories and learn to apply them to real-world situations

**PSYC 201 Psychology Advising and Career Development (1 Credit Hour)**

*Pre-requisites:* PSYC 101, PSYC-BS major

Overview of the psychology major at Loyola and career options in psychology. Introduces students to psychology career development resources. Students will also prepare for opportunities in independent research and internships and plan for a career including creating a resume and CV.

*Outcomes:*

Students will learn about career options in psychology and plan their psychology major to support and develop their career interests

**PSYC 225 Psychology of Peace (3 Credit Hours)**

Application of psychological theories, concepts, and research to issues of peace and conflict. Areas covered include international conflicts and international peacebuilding (including war, terrorism, and global environmental issues) as well as interpersonal conflicts and conflict resolution (including crime, family violence, and conflict arising from prejudice and perceived threat). Classic theories of peace are also analyzed and connected to psychological theory and research.

*Interdisciplinary Option:* Peace, Justice, and Conflict Studies

*Course equivalencies:* PSYC 225/PAX225

**PSYC 235 Psychology of Human Sexuality (3 Credit Hours)**

*Pre-requisites:* PSYC 101

This course will explore sexuality as a multi-faceted and diverse phenomenon structured by individual experience, interpersonal relationships, and societal institutions. Topics include anatomy and physiology, intersectionality, power and privilege, sexual diversity, attraction and love, relationships, and sexual health education.

*Interdisciplinary Option:* Bioethics, Human Services, Women & Gender Studies

*Outcomes:*

Students will demonstrate an understanding of the biological, psychological and socio-cultural aspects of human sexuality, along with gender and sexual diversity

**PSYC 237 Cross-Cultural Psychology (3 Credit Hours)**

*Pre-requisites:* PSYC 101

Students will learn about cultural factors that influence cognition, perception, emotion, behavior, motivation, and mental health. Similarities and difference in both explicit and implicit cultural factors will be emphasized. Students will explore their identities, values, and biases. Students will engage in reflection to increase cultural awareness and sensitivity towards others.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will demonstrate an understanding of concepts and research methodologies in cross-cultural psychology; Students will develop critical thinking skills, as well as increased cultural awareness and sensitivity towards others

**PSYC 238 Gender & Sex Differences & Similarities (3 Credit Hours)**

*Pre-requisites:* ANTH 100, PLSC 102, PSYC 100, SOCL 101, WSGS 101, or equivalent; please check requirements for declared majors/minors for exceptions

Overview of psychological research and theory concerning differences and similarities between genders. In this course, students will engage psychological research and theory to examine the influence of gender on all aspects of life. In general, emphasis will be placed on understanding gender as a social psychological construct.

*Knowledge Area:* Tier 2 Societal Knowledge

*Interdisciplinary Option:* Bioethics, Human Services, Women & Gender Studies

*Course equivalencies:* PSYC238/WOST238/WSGS238

*Outcomes:*

Students will understand similarities and differences between genders, comprehend the diversity of ideas about gender and how ideas of gender are determined by societies and cultures

**PSYC 239 Understanding Bias and Inclusivity (3 Credit Hours)**

Using an intersectional lens, students learn about how privilege, power, and oppression shape ourselves, perceptions of others, and our social world. They consider how ourselves and others are shaped by and operate within the larger social system. Students explore their identities, values, and biases. Students engage in self-reflection to increase self-awareness. Articulate how personal power can be used to create change.

*Interdisciplinary Option:* Race and Ethnicity, Women & Gender Studies

*Course equivalencies:* X - PSYC 239/ SOCL 239

*Outcomes:*

Identify feelings about course topics; Demonstrate self-awareness of identities and values, including the value of difference; Engage in intergroup dialogue

**PSYC 240 Psychology-Biology of Perception (3 Credit Hours)**

*Pre-requisites:* PSYC 101; For Biology majors: BIOL 102, BIOL 112, and PSYC 101 Introduction to the study of sensory systems, especially vision and audition, emphasizing historical development of the field, multi-disciplinary scientific approaches; recent research and theory on the mechanisms of seeing and hearing; and applications of research to real-world problems

PSYC 240 is cross-listed with BIOL 240.

*Interdisciplinary Option:* Neuroscience

*Course equivalencies:* X-PSYC240/BIOL240

*Outcomes:*

Students will understand and be able to explain how knowledge of the functioning of sensory systems is obtained using a variety of experimental methods, how stimulus energy is translated into neural signals, how the brain processes sensory information, and how these processes determine conscious perception

**PSYC 250 Cognitive Psychology (3 Credit Hours)**

*Pre-requisites:* PSYC 101

Overview of cognitive psychology. Topics include: human information processing, object recognition, memory, attention, language production and comprehension, reasoning and problem solving.

*Outcomes:*

Students will understand and be able to explain how knowledge about mental events is obtained using a variety of experimental methods, discuss current empirical research and theories of cognition, understand well established cognitive theories about attention, memory, language processing, reasoning and decision-making

**PSYC 251 Learning and Memory (3 Credit Hours)**

*Pre-requisites:* Grade of C- or better in PSYC 101 and NEUR 101

This course surveys the field of learning and memory, including working, episodic, and semantic memory, nonassociative learning, classical and operant conditioning, skill learning, and neuroplasticity. Behavioral, neuroscientific, and clinical perspectives will be considered.

*Interdisciplinary Option:* Neuroscience

**PSYC 273 Developmental Psychology (3 Credit Hours)**

*Pre-requisites:* PSYC 101

Survey of theory and research relevant to human growth and development with emphasis on physical, cognitive, and social development from infancy through adolescence.

*Interdisciplinary Option:* Human Services

*Course equivalencies:* X-CPSY273/PSYC273

*Outcomes:*

Students will demonstrate understanding of basic theory and research in human development, and will develop skills in critical examination of psychological research as applied to current issues in human development

**PSYC 274 Lifespan Development (3 Credit Hours)**

*Pre-requisites:* PSYC 101

This course provides a survey of current theory, research, and applications on development (physical, cognitive, and social/emotional development) that are present at each stage of the lifespan. Normal development is emphasized; however, special human circumstances are also explored.

*Outcomes:*

Students will demonstrate an understanding of theory and research in development across the lifespan; Students will develop critical thinking skills, applying research to contemporary issues in lifespan development

**PSYC 275 Social Psychology (3 Credit Hours)**

*Pre-requisites:* ANTH 100, PLSC 102, PSYC 100, SOCL 101, WSGS 101, or equivalent; please check requirements for declared majors/minors for exceptions

Introduction to the field of social psychology; including topics such as social cognition, impression formation, social influence, attitude formation and change, stereotyping and prejudice, aggression, pro-social behavior, and group behavior.

*Knowledge Area:* Tier 2 Societal Knowledge

*Interdisciplinary Option:* Human Services, Psychology of Crime and Justice

*Course equivalencies:* ACPSY 275 / PSYC 275

*Outcomes:*

Students will demonstrate the ability to think critically about fundamental theoretical approaches within social psychology, scientific methods of hypothesis testing, and potential applications of social psychology that address real-world problems

**PSYC 276 Philosophy of Mind (3 Credit Hours)**

*Pre-requisites:* PHIL 130

This course is a study of the different philosophical views regarding the nature and the existence of the mind and its relation to material bodies. Students will be able to demonstrate understanding of the various philosophical views and problems regarding the mind and its relation to matter.

*Course equivalencies:* X-PSYC 276/ PHIL 276/PHIL 176

**PSYC 277 Environmental Psychology (3 Credit Hours)**

Human behavior is at the root of environmental degradation. This course examines how psychological processes influence behaviors that help or hurt the environment and how psychology can promote conservation. The course identifies theory-based interventions and evaluates their effectiveness. Class activities allow students to practice applying psychology to promote environmental sustainability.

*Outcomes:*

Students will be able to identify the psychological bases of environmental problems; Students will be introduced to theories and practical strategies to change behavior as it relates to environmental issues

**PSYC 280 Psychology of Judgment and Decision-Making (3 Credit Hours)**

*Pre-requisites:* PHIL 130 or equivalent; please check requirements for declared majors/minors for exceptions; Students can only take one course from PHIL 279, PSYC 279, PSYC 280

This course examines the forces that shape decision-making, from the individual and day-to-day to the shaping of public policy. Psychological research on cognitive biases, economic models, and philosophical perspectives on deductive reasoning and what makes a good decision will be discussed.

*Knowledge Area:* Tier 2 Philosophical Knowledge

*Outcomes:*

Students will learn fundamental principles and theories - including various biases and decision-making errors, and learn to apply the course to improve thinking, problem-solving, and decisions

**PSYC 302 History & Systems in Psychology (3 Credit Hours)**

*Pre-requisites:* PSYC 101

A systematic treatment of the historical roots and foundation of psychology. Special emphasis is placed on relating past trends to current developments in the field.

*Outcomes:*

Students will demonstrate knowledge of the foundations of psychology as a science, including major schools and theoretical frameworks, and make connections between past trends and current approaches

**PSYC 304 Statistics (3 Credit Hours)**

*Pre-requisites:* PSYC 101

This course is an introduction to fundamentals of statistical analysis in psychology.

*Interdisciplinary Option:* Human Services

*Outcomes:*

Students will demonstrate the ability to analyze data, interpret the results of research using basic statistical methods, and understand the conceptual foundation, appropriate use, and limitations of these statistical methods

**PSYC 306 Research Methods in Psychology (3 Credit Hours)**

*Pre-requisites:* PSYC 304

Logic and theory of the scientific method. Basic principles of scientific research methodologies employed in approaching major problem areas in psychology. This class is writing intensive.

*Interdisciplinary Option:* Human Services, Urban Studies

*Outcomes:*

Students will demonstrate knowledge and skills necessary to formulate research questions and hypotheses, develop research designs, operationalize variables and gather data in an ethical manner, choose appropriate statistical methods for analyzing data, interpret results of statistical analyses, write a scientific paper in APA style, and critically evaluate research



**PSYC 307 Psychology of Language (3 Credit Hours)**

*Pre-requisites:* PSYC 101

Analysis of language as symbol-behavior specific to humans, language structure and competence, language performance, and the neurophysiological basis of language. Methods for investigating language processing, acquisition, bilingualism, and language disorders will be considered.

*Outcomes:*

Students will demonstrate understanding of major theories, research methodologies, and empirical knowledge in the study of language

**PSYC 310 Lab in Program Evaluation (3 Credit Hours)**

*Pre-requisites:* PSYC 306; PSYC 275 is also recommended

Special attention is given to the fundamental skills needed to evaluate human service programs including research methodology and research diplomacy. The strengths and weaknesses of several evaluation strategies will be discussed in terms of scientific validity, ethical constraints, and political acceptability.

*Outcomes:*

Students apply their developing evaluation skills in a class project and present the data in a written report

**PSYC 311 Lab in Psychobiology (3 Credit Hours)**

*Pre-requisites:* (BIOL/STAT 335 or PSYC 304) and (NEUR 101, PSYC/BIOL 240, or PSYC 382/BIOL 284); OR for PSYC-BS and Cognitive/Behavioral Neuroscience majors: PSYC 306 and (NEUR 101, PSYC/BIOL 240, or PSYC 382/BIOL 284) Minimum grades of C- Introduction to the structures and functions of vertebrate nervous systems, how these systems compute and process information; laboratory experience with concepts and methods in the neurophysiological study of the bases of perception and other behaviors. Hearing is used as an example. PSYC 311 is cross-listed with BIOL 313.

*Interdisciplinary Option:* Neuroscience

*Course equivalencies:* X-PSYC311/BIOL313

*Outcomes:*

Students will learn the concepts of basic neurophysiology and the theory of signal detectability, and have experience applying the logic and formulation of neurophysiological theories of perception

**PSYC 312 Lab in Cognitive Neuroscience (3 Credit Hours)**

*Pre-requisites:* PSYC 306 and PSYC 382

This course is a laboratory practicum in the techniques of cognitive neuroscience, with an emphasis on electrophysiological and hemodynamic methods of measuring nervous system function during cognitive and behavioral tasks and the effects of noninvasive brain stimulation.

*Interdisciplinary Option:* Neuroscience

*Outcomes:*

Students will develop scientific research skills as they relate to the field of cognitive neuroscience, including experimental design, physiological methods of data collection, statistical analysis and interpretation, and reporting findings

**PSYC 313 Lab in Behavioral Neuroscience (3 Credit Hours)**

*Pre-requisites:* PSYC 306 and either PSYC 251 or PSYC 382

Provides an understanding of the structure and function of the brain as it relates to behavior through empirical data collection and analyses. Course objectives will be met through demonstrations, hands-on laboratory experience with different behavioral assays, histology, an evaluation of scientific literature, and scientific communication via poster presentations.

*Outcomes:*

Develop a breadth of neuroscientific knowledge and skills involving critical thinking, research ethics, experimental design, animal behavior, data collection and analysis, and dissemination of scientific findings in different formats

**PSYC 314 Lab in Experimental Psychology: Cognition (3 Credit Hours)**

*Pre-requisites:* PSYC 306 (C-) and (C- in PSYC 250, PSYC 251, PSYC 307, or PSYC 382)

Laboratory demonstrations, experiments, and microcomputer applications in the area of human cognition. Topics vary, but include learning, memory, thinking and language processing.

*Interdisciplinary Option:* Neuroscience

*Outcomes:*

Students gain skills and experience in experimental design, measurement, statistical analyses, and report writing as they relate to research on human cognition

**PSYC 315 Lab in Tests & Measurements (3 Credit Hours)**

*Pre-requisites:* PSYC 306 and either PSYC 331 or PSYC 346

Topics include: theory of psychological testing and assessment; historical context and related legal and ethical considerations; basics of test construction and evaluation, including reliability, validity, and standardization; and common measures of personality, attitudes, and ability and their psychometric properties. PSYC 338 is recommended.

*Outcomes:*

Students will learn to demonstrate proficiency with psychological testing terminology and concepts

**PSYC 316 Lab in Experimental Psychology: Sense & Perception (3 Credit Hours)**

*Pre-requisites:* PSYC 306, NEUR 101 (formerly PSYC/BIOL 202) or PSYC 240

Laboratory demonstrations, experiments, and microcomputer applications to the psychophysical and physiological study of sensory systems. The course stresses the research methods and quantitative measures that are used in characterizing sensory processes, especially visual and auditory systems.

*Interdisciplinary Option:* Neuroscience

*Outcomes:*

Students gain skills and experience in experimental design, measurement, statistical analyses, and report writing as they relate to research in sensory processes

**PSYC 318 Lab in Developmental Psychology (3 Credit Hours)**

*Pre-requisites:* C- or better in PSYC 306 and either PSYC 273 or PSYC 274

Lecture and laboratory on empirical studies of developmental processes in humans. Focus is on research in particular content areas within developmental stages (e.g., infancy, childhood, adolescence, adulthood) and research on changes in behavior across time.

*Outcomes:*

Students will demonstrate skills and knowledge of developmental methodology, designing, conducting, and analyzing and interpreting the results of a research project, and writing a research paper in APA format

**PSYC 321 Laboratory-Social Psychology (3 Credit Hours)***Pre-requisites:* PSYC 275 and 306

Lectures, demonstrations, readings, and individual or group research projects illustrating various methods, such as observation, interviewing, archives, standardized tests, and experimentation, are used to learn about topics such as group influences on the individual, attitudes, prosocial and antisocial behavior, and perception of self and others.

*Outcomes:*

Students will demonstrate skills and knowledge of methodology in social psychological research; designing, conducting, and analyzing and interpreting the results of a research project, and writing a research paper in APA format

**PSYC 327 Lab on Body Image (3 Credit Hours)***Pre-requisites:* C- or better in PSYC 306 and either PSYC 275 or PSYC 338

Lab on Body Image focuses on the scholarly study of body image and eating disorders, as well as how research is conducted in the field. Students will complete smaller labs and a larger research project in the field.

*Outcomes:*

- 1) Learn about the scholarly study of body image and eating disorders;
- 2) Learn general research methods in Psychology and specific ones pertaining to the topic;
- 3) Learn about computer packages, including SPSS to analyze data

**PSYC 331 Psychopathology (3 Credit Hours)***Pre-requisites:* PSYC 101

Nature and causes of maladjustment and mental disorders. History of mental illness, diagnosis, research, and treatment of mental disorders. *Interdisciplinary Option:* Human Services, Psychology of Crime and Justice

*Course equivalencies:* X-CPSY333/PSYC331/ACPSY280*Outcomes:*

Students will demonstrate understanding of current approaches to researching maladaptive behavior, current views of maladaptive behavior, major categories of "mental disorders", factors contributing to development of problems, different types of intervention strategies, and appreciation of social, ethical, and legal issues

**PSYC 332 Affective Neuroscience (3 Credit Hours)***Pre-requisites:* PSYC 101 or NEUR 101 (formerly PSYC/Biol 202)

Affective experiences promote human adaptability and survival, and healthy emotion function is critical to promoting physical and psychological well being. The course will provide an overview of fundamental neurobiological correlates associated with emotion function and processing affective stimuli.

*Interdisciplinary Option:* Neuroscience*Outcomes:*

Students will understand theories regarding brain mechanisms associated with emotion processing and the techniques used for studying these mechanisms

**PSYC 338 Psychology of Personality (3 Credit Hours)***Pre-requisites:* PSYC 101 Facts and principles of personality study

Nature of personality, its structure, development, expression, and measurement. Exposition and evaluation of personality study methods with critical review of traditional and modern theories of personality.

*Interdisciplinary Option:* Psychology of Crime and Justice*Course equivalencies:* X-CPSY338/PSYC338*Outcomes:*

Students will acquire an understanding of different personality theories, critically evaluate these theories, and apply what they have learned

**PSYC 340 Psychology of Women (3 Credit Hours)***Pre-requisites:* PSYC 101

Review of psychological aspects of women's experiences. Topics include psychological aspects of biological events such as menarche, pregnancy, menopause; aspects of women's work and family roles; and mental health issues relevant to women.

*Interdisciplinary Option:* Human Services, Women & Gender Studies*Course equivalencies:* PSYC340/WOST340/WSGS340*Outcomes:*

Students will demonstrate knowledge of critical contemporary issues impacting women and girls, and critically evaluate/analyze academic theory, social institutions, and media

**PSYC 346 Psychopathology of Childhood (3 Credit Hours)***Pre-requisites:* PSYC 273

Consideration of the nature and causes of maladjustment, emotional disorders, and learning disabilities in children in conjunction with approaches to prevention and remediation.

*Interdisciplinary Option:* Human Services, Psychology of Crime and Justice*Outcomes:*

Students will demonstrate knowledge of the major categories of childhood psychopathology and methods of diagnosis, theories of causes of maladjustment and mental illness in children and adolescents, and types of intervention strategies

**PSYC 348 Psychology of Adolescence (3 Credit Hours)***Pre-requisites:* PSYC 273

In-depth study of adolescence using an interdisciplinary approach.

Integration of cultural, social, psychological, and biological perspectives.

*Interdisciplinary Option:* Human Services, Psychology of Crime and Justice*Outcomes:*

Students will appreciate the various factors leading to similarities and differences in the experience of adolescence in America and in other cultures, and will demonstrate understanding of major theories, research methodologies, and empirical knowledge in the study of adolescence

**PSYC 349 Maturity and Aging (3 Credit Hours)***Pre-requisites:* PSYC 273 with a C- or better

Overview of theory and research relevant to middle age and aging. Topics include personality, cognitive and social functioning as well as biological functioning. Applications to life situations such as living arrangements, provision of health services, and retirement are discussed.

*Interdisciplinary Option:* Bioethics, Human Services*Outcomes:*

Students will demonstrate understanding of major theories, research methodologies, and empirical knowledge in the study of maturity and aging, and learn to recognize and reject myths and stereotypes associated with adult development and aging

**PSYC 350 Developmental Cognitive Neuroscience (3 Credit Hours)***Pre-requisites:* PSYC 101, NEUR 101 (formerly PSYC/Biol 202)

An overview of theory and research relevant to the study of the developing child through the use of neuroscience methods; topics may include: brain plasticity and maturation, sensorimotor systems, attention, memory, executive function, language, social cognition, and typical and atypical development.

*Interdisciplinary Option:* Neuroscience*Outcomes:*

Students will gain knowledge of basic theory and research in the field of developmental cognitive neuroscience and will acquire understanding of brain and behavior relationships in a developmental context

**PSYC 352 Neuropsychology (3 Credit Hours)**

*Pre-requisites:* PSYC 101 and NEUR 101

Neuropsychology is the interdisciplinary study of the relation between human brain function and behavior. This course is an undergraduate survey of topics related to neuropsychology, including neuroanatomy, psychophysiology, and cognitive neuroscience. A primary goal of the course is to introduce undergraduate students to neuropsychological concepts in research and applied settings.

*Interdisciplinary Option:* Neuroscience

*Outcomes:*

Successful completion of this course leads to mastery of CNS function and structure; The ability to integrate this information will allow students to develop and test hypotheses about brain-behavior relationships

**PSYC 353 Applied Social Psychology (3 Credit Hours)**

*Pre-requisites:* PSYC 275

Applications of principles and methods of social psychology to social issues and problems in such areas as: law and justice, health and health care, education, natural and built environments, population, work, life and intergroup relations.

*Outcomes:*

Students will demonstrate the ability to apply knowledge of major theories, research methodologies, and empirical knowledge in social psychology to real-world issues and problems

**PSYC 355 Neuroethics (3 Credit Hours)**

*Pre-requisites:* students must have taken at least two philosophy courses  
This course focuses on ethical considerations emerging from contemporary research in neuroscience, as well as neuroscientific techniques for studying ethical questions. Students will be able to demonstrate understanding of the ways in which the study of ethics and neuroscience inform each other

*Interdisciplinary Option:* Bioethics

*Course equivalencies:* X - PSYC355/PHIL355

**PSYC 356 Consumer Psychology (3 Credit Hours)**

*Pre-requisites:* PSYC 101

Introduction to the field of consumer psychology; including topics such as consumer attitude formation and change, persuasive communication and consumer behavior, the psychology of advertising, consumer decision making, personality and consumer behavior, identity and consumer behavior, and culture and consumer behavior.

*Outcomes:*

Students will understand and apply theoretical approaches within consumer psychology and the psychology of advertising

**PSYC 360 Understanding Prejudice (3 Credit Hours)**

*Pre-requisites:* PSYC 101

Prejudice from a psychological perspective. Applying psychological concepts, research, and theory to understand the origins and consequences of prejudice as well as potential remedies.

*Interdisciplinary Option:* African Studies and the African Diaspora, Psychology of Crime and Justice, Race and Ethnicity, Women & Gender Studies

*Course equivalencies:* BWS360/WSGS360

*Outcomes:*

Students will learn the origins of stereotypes and prejudice, the nature of prejudice against different social groups, how people are affected by prejudice and cope with prejudice, and the processes that may change stereotypes, reduce prejudice, and improve intergroup relations

**PSYC 362 Industrial/Organizational Psychology (3 Credit Hours)**

*Pre-requisites:* C- or better in PSYC 101  
*Outcomes:* Students will demonstrate understanding and ability to think critically about how the science of behavior is applied to work environments

Study of human behavior in work settings. Topics include principles of employee selection, job analysis, motivation and morale, managerial behavior, organization development and socialization, leadership, conflict management, work design and group process.

*Course equivalencies:* PSYC362 / PSYC364

**PSYC 368 Counseling (3 Credit Hours)**

*Pre-requisites:* PSYC 101; PSYC 331 or 338 is also recommended  
Introduction to the theory, techniques, and research behind major helping interventions, focusing on individual psychotherapy with adults.

*Interdisciplinary Option:* Human Services

*Outcomes:*

Students will critically evaluate different approaches to intervention in terms of their theoretical underpinnings, applications, goals and effectiveness, and will develop the ability to utilize some basic counseling skills

**PSYC 369 Psychology Honors Readings (3 Credit Hours)**

*Pre-requisites:* Membership in the Psychology Honors award program and approval of the Department Honors Advisor

Directed readings and development of a formal research proposal on a topic of interest to the student and the faculty member with whom he/she has chosen to work. Students are not restricted to working with the faculty member whose name is listed in the schedule of classes.

*Outcomes:*

Students will write a literature review and research proposal for the honors thesis

**PSYC 370 Psychology Honors Research (3 Credit Hours)**

*Pre-requisites:* PSYC 369

Students carry out the research proposed in PSYC 369 and prepare a formal report constituting the honors thesis. Approval of the thesis by the honors committee earns the psychology honors award. PSYC 370 is a capstone course.

This course satisfies the Engaged Learning requirement.

*Course equivalencies:* PSYC370H / PSYC370

*Outcomes:*

Students will conduct research, analyze and interpret data, and write a thesis

**PSYC 371 Psychology of Political Behavior (3 Credit Hours)**

Examination of the determinants of political judgments and decision; including topics such as voting preference, stereotypes and political thinking, racism and political behavior, ideology and public opinion, the effect of the media on political thought.

*Outcomes:*

Understanding of core theoretical and methodological approaches commonly applied to the study of political psychology

**PSYC 372 Psychology & Law (3 Credit Hours)***Pre-requisites:* PSYC 101

Introduction to the areas of overlap between psychology and the law. Topics include roles of psychologists in legal settings, accuracy of eyewitness testimony, jury processes, accuracy of polygraph examinations, and issues surrounding the insanity defense.

*Interdisciplinary Option:* Psychology of Crime and Justice, Sociolegal Studies

*Course equivalencies:* X- CJC 377 / PSYC 372

*Outcomes:*

Students will learn to analyze biases in the U.S. jury system, elucidate the weaknesses of eyewitness testimony, outline the issues in the insanity defense, understand the issues in Rape Trauma Syndrome and Battered Spouse Syndrome, understand the methods and effects of scientific jury selection, understand the complex issues surrounding confessions, and view the US justice system in a social justice context

**PSYC 373 Health Psychology (3 Credit Hours)***Pre-requisites:* PSYC 101

Survey of psychological and behavioral influences on how people stay healthy, why they become ill, and how they respond when they do become ill. Topics include: health behavior and primary prevention, stress and coping, patient-physician interaction, and management of chronic illness.

*Interdisciplinary Option:* Bioethics, Human Services

*Outcomes:*

Students will demonstrate an understanding of the complex interaction of an individual's psychology and physical health, as well as understanding of different intervention and prevention programs, the structure of the health care system, and the various roles psychologists play in this system

**PSYC 374 Community Psychology (3 Credit Hours)***Pre-requisites:* PSYC 101

Prevention of mental disorder and promotion of well-being, primarily through creating more mentally healthy environments, but also by enhancing individual resilience. Recognizing the toxicity of psychosocial stressors such as inequality, poverty, alienation, and discrimination, community psychologists also fight for social justice through empowerment of oppressed groups and policy advocacy. Understanding of the methods of community psychology; effects of societal, cultural, and environmental influences on psychological and community well-being.

*Interdisciplinary Option:* Human Services, Neuroscience

**PSYC 375 Psychology of Addiction (3 Credit Hours)***Pre-requisites:* PSYC 101

Survey of historical, demographical, and statistical aspects of substance abuse. Abuse of alcohol and drugs, as well as eating disorders, may be considered. A variety of theoretical models and interventions are discussed.

*Interdisciplinary Option:* Psychology of Crime and Justice

*Outcomes:*

Students will demonstrate understanding of the psychopharmacological effects of various substances, major research findings in the area of substance abuse, and prevention and intervention techniques

**PSYC 376 Psychology of Religion (3 Credit Hours)**

Introduction to the major issues, theories and empirical approaches in the psychology of religion; effect of religion on beliefs, motivations, emotions and behaviors.

*Outcomes:*

Understanding of the relationship between religion and psychological variables (eg, adjustment, prejudice, and prosocial behavior)

**PSYC 377 Psychology of Music (3 Credit Hours)***Pre-requisites:* PSYC 101

Engagement in musical activities is common across all human cultures. This course will introduce students to the interdisciplinary field of psychology of music and will focus on how humans perceive and are affected by music, how we create music, and how music is integrated into human life.

*Outcomes:*

Students will understand theories regarding brain mechanisms associated with emotion processing and the techniques used for studying these mechanisms

**PSYC 378 Drugs and Behavior (3 Credit Hours)***Pre-requisites:* NEUR 101

This course will introduce students to neuropsychopharmacology. Acute and long term effects of addictive drugs and drugs used to treat psychiatric disorders on neural function and behavior are discussed by integrating human and preclinical animal studies. Major types of drugs of abuse, antidepressants, antipsychotics, and anxiolytics will be discussed.

*Outcomes:*

Knowledge of the mechanisms of action of drugs, including illicit drugs and drugs used to treat psychiatric disorders

**PSYC 381 Advanced Statistical Analysis-Computer: Social Science (3 Credit Hours)***Pre-requisites:* PSYC 304 or SOCL 301

Expanded treatment of topics covered in PSYC 304 with emphasis on using standard computer analysis packages (SPSS).

*Outcomes:*

Students will demonstrate the ability to discuss theoretical assumptions of various statistical techniques, choose the appropriate statistical test in a variety of situations, use SPSS to enter data and perform a statistical analysis, and interpret the results of statistical analyses

**PSYC 382 Behavioral and Cognitive Neuroscience (3 Credit Hours)**

*Pre-requisites:* For BIOL-BS, BIOL-MINR, and BIOE-BS students: BIOL 102 and NEUR 101

For all others: NEUR 101. Overview of topics and methodologies used in behavioral and cognitive neuroscience including: attention, learning and memory, language, reasoning, decision making, intelligence, emotions, social cognition, and consciousness. BIOL 284 is cross-listed with PSYC 382.

*Interdisciplinary Option:* Neuroscience

*Course equivalencies:* X-PSYC 382/BIOL 284

*Outcomes:*

Students will understand theories regarding brain mechanisms, underlying mental events and the technologies used for studying these mechanisms



**PSYC 383 Methods in Computational Neuroscience (3 Credit Hours)**

*Pre-requisites:* NEUR 101; (MATH 131 or MATH 161); and (COMP 150, COMP 170, COMP 180, or DSCI 101) This course introduces the methods necessary to work with computational models of neural processing in the brain

These methods include differential equations for neuroscience, Simulink programming, linear algebra for neural networks, MATLAB coding, and probability theory for neuroscience. For each method, classes will include lectures, and computer exercises or illustrations.

*Interdisciplinary Option:* Neuroscience

*Course equivalencies:* X - COMP 386/PSYC 383

*Outcomes:*

Appreciation of the mathematical and computational techniques used to understand the brain, specially differential equations to model neurons, linear algebra used for neural networks, and probability theory capturing brain performance

**PSYC 384 Computational Modeling of the Brain (3 Credit Hours)**

*Pre-requisites:* PSYC 383/COMP 386 or instructor permission This course uses a mix of lectures and computer labs to introduce computational models of the neural processing in the brain

These models capture single neurons and synapses, biological neural networks, and high-level computational theory. Each class will cover the models with lectures and computer labs, the latter using MATLAB and Simulink.

*Interdisciplinary Option:* Neuroscience

*Course equivalencies:* X - COMP 389/PSYC 384

*Outcomes:*

Appreciation that brain function cannot be understood without proper mathematical and computational frameworks, and ability to apply these frameworks adeptly in the various domains of neuroscience from neurons to cognition

**PSYC 385 Practicum in Peace Activism (3 Credit Hours)**

Students will learn how to recognize and navigate the psychological pitfalls that accompany work as a peace activist. Topics include building programs, recruiting volunteers, managing media messages, avoiding burnout, handling conflict within organizations, and securing funding for peace activities. Psychological constructs and theories such as group dynamics, perceived control, learned helplessness, attitude change, and altruism will be used to increase understanding of processes related to peace activism.

*Course equivalencies:* PSYC385/PAX385

**PSYC 386 Psychology Seminar: Selected Topics (3 Credit Hours)**

*Pre-requisites:* PSYC 101

An upper-level, intensive seminar on selected aspects of psychology.

*Outcomes:*

Students will demonstrate understanding of major theories, research methodologies, and empirical knowledge in the selected topic

**PSYC 387 Seminar in Behavioral and Cognitive Neurosciences (3 Credit Hours)**

*Pre-requisites:* NEUR 101 (formerly PSYC/BIOL 202); PSYC 382/BIOL 284, limited to NRCB-BS seniors

Lecture/discussions will focus on issues central to behavioral neuroscience, emphasizing human and animal mental processes and neural information processing mechanisms. Students will read primary research papers and practice analytical skills in class discussion and presentations. Presentations and exams will promote critical thinking and a general understanding of current issues in behavioral and cognitive neurosciences.

*Interdisciplinary Option:* Neuroscience

*Outcomes:*

Students will become familiar with principles of cognitive and behavioral approaches to the study of the neural bases of behavior; Students will also learn how to critically read primary research papers and present these papers to the class

**PSYC 388 Laboratory in Neuroscience I (4 Credit Hours)**

*Pre-requisites:* NEUR 101, BIOL 251; and students must be either a Molecular/Cellular Neuroscience Major, a Cognitive/Behavioral Neuroscience major, or a Neuroscience Minor

Students will be trained in various anatomical, physiological, behavioral, and neurobiological modeling techniques used to study the nervous system and the brain in the laboratory. This course is cross-listed as NEUR 301 & PSYC 388.

*Interdisciplinary Option:* Neuroscience

*Course equivalencies:* X-NEUR301/PSYC388/BIOL373

*Outcomes:*

Students will demonstrate understanding of several research designs and methodologies of use in neuroscience research and will gain experience with basic neuroscience laboratory techniques

**PSYC 390 Internship in Psychology (3 Credit Hours)**

*Pre-requisites:* PSYC 304 and approval via an internship application due on the 5th Friday of the previous semester

Capstone service-learning experience for psychology majors, involving application and development of psychological knowledge and skills through an internship (100 hours) in a human service organization or applied research setting, combined with regular class meetings, reading and writing assignments. Students arrange placements and complete a project on site. Application details may be found here: <https://luc.edu/psychology/undergraduate/internshipinpsychology>. Practical, pre-professional job skills, critical analysis and connection between theory and practice, on topics of: human service agency operation; effective working relationships; professional communication; cultural competence; values and ethics.

This course satisfies the Engaged Learning requirement.

**PSYC 397 Independent Research (3 Credit Hours)**

*Pre-requisites:* PSYC 306 and approval of internship coordinator

Limited to psychology majors with senior standing. Capstone opportunity to conduct research under the guidance of a psychology faculty member. Only one of PSYC 397 and 399 may count toward the psychology major.

*Interdisciplinary Option:* Neuroscience

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will gain experience in all aspects of psychological research, including literature review, formulating hypotheses, designing and conducting research, analyzing data and interpreting results, communicating the results of research in written reports

**PSYC 399 Special Studies in Psychology (1-3 Credit Hours)**

*Pre-requisites:* permission of instructor and department  
 Opportunity for individual reading or research in a specialized area not otherwise covered by the Department's course offerings. Only one of PSYC 397 and 399 may count toward the psychology major.

*Outcomes:*

Students will gain experience (eg, integrating research results from various sources, conducting research) working directly with a faculty member on a current topic in psychology

**Psychology of Crime & Justice (PSCJ)****PSCJ 399 Independent Study (3 Credit Hours)**

This course provides students with the opportunity to work under the direction of a faculty member on a particular area of interest that is not part of the Psychology of Crime and Justice minor's usual curriculum. Program permission required.

*Interdisciplinary Option:* Psychology of Crime and Justice

*Outcomes:*

Gain supervised research experience in a specific area of psychology and law

**Rome Studies (ROST)****ROST 199 Topics in Rome Studies: Introductory (1-3 Credit Hours)**

Variable topics in Rome Studies at the elementary level.

**ROST 299 Topics in Rome Studies: Intermediate (1-3 Credit Hours)**

Variable topics in Rome Studies at the intermediate level.

**ROST 370 International Internship - Rome Focus (3-6 Credit Hours)**

Enrollment is limited to Rome Center Students Only. This course offers students at the John Felice Rome Center an opportunity to gain valuable professional experience as an intern in Italian and international organizations and companies, essentially making the city of Rome their classroom.

*Interdisciplinary Option:* Italian American Studies

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will obtain in-depth knowledge and practical experience in an international professional work setting relevant to the student's future career

**ROST 382 Human Rights: View from Rome (3 Credit Hours)**

*Pre-requisites:* Enrollment is restricted to Rome Center Students Only

The course aims to discuss with the students the socio-juridical developments of human rights and their applications in the Mediterranean area. The course provides basic tools for understanding the history and principles underlying human rights. It is organized in two parts to discuss human rights related to two fundamental issues of the contemporary age: migration and religious freedom.

*Interdisciplinary Option:* Catholic Studies, Global Studies, Italian American Studies, Italian Studies

This course satisfies the Engaged Learning requirement.

*Outcomes:*

On completion of the course students should be able to: - demonstrate knowledge of history and principles underlying human rights; - assess application of human rights related to migration and religious freedom; - identify current challenges regarding the enjoyment of human rights in the Mediterranean area; - demonstrate self-reflection, anchored in the service-learning experience

**Russian (RUSS)****RUSS 101 Russian I (3 Credit Hours)**

This course is an introduction to the basic elements of the Russian language and to Russian culture.

*Outcomes:*

Students will develop communicative skills and a fundamental knowledge of the Russian people, language and culture

**RUSS 102 Russian II (3 Credit Hours)**

*Pre-requisites:* RUSS 101

This course continues the study of the Russian language and culture.

*Outcomes:*

Students will continue developing communicative skills and further their knowledge of the Russian people, language and culture

**RUSS 103 Russian III (3 Credit Hours)**

*Pre-requisites:* RUSS 102

This course is an intensive review of speaking, listening, reading, and writing Russian.

*Outcomes:*

Students will develop audio-lingual facility in communication and the ability to read simple texts in Russian

**RUSS 104 Russian IV (3 Credit Hours)**

*Pre-requisites:* RUSS 103

This course continues the intensive review of speaking, listening, reading, and writing Russian.

*Outcomes:*

Students will develop audio-lingual facility in communication and the ability to read short literary and cultural texts in Russian

**RUSS 290 Russia and Russians in the World (3 Credit Hours)**

RUSS 290 is a service learning course focusing on leadership through service learning and the study of the Russian language and history. This course satisfies the Engaged Learning requirement.

*Outcomes:*

1) Students will develop Russian language skills (speaking, listening, reading, writing) and expand their knowledge of Russian history and culture; 2) Student will develop civic engagement leadership skills through practical service work and reflection

**Sociolegal Studies (SLGL)****SLGL 200 Introduction to Sociolegal Studies (3 Credit Hours)**

The course will introduce students to several complementary perspectives from the interdisciplinary "Law and Society" movement: the sociology of law; the psychology of justice; the anthropology of disputing; the economics of rulemaking; and the institutional politics of courts and legislatures.

*Interdisciplinary Option:* Sociolegal Studies

*Outcomes:*

Compare & critique different social science theories of law; understand the role of law in society and the intersection of law, politics, economics, and culture

**SLGL 399 Independent Study (3 Credit Hours)**

This course provides students with the opportunity to work under the direction of a faculty member on a particular area of interest that is not part of the Sociolegal Studies minor's usual curriculum. Program permission required. Students will gain an understanding of a specific area of sociolegal studies through the close reading of selected texts or through directed research.

*Interdisciplinary Option:* Sociolegal Studies

## Sociology (SOCL)

### SOCL 100 Urban Field Studies: Changing Chicago (3 Credit Hours)

Fieldwork-based course exploring how communities are shaped by social, economic, and political forces. Particular emphasis is placed on how grass-roots activism and community-based organizations affect social change. Taught in cooperation with Loyola's Center for Urban Research and Learning (CURL), students visit with community leaders, politicians, advocates religious leaders and others working for positive change in the city and suburbs.

### SOCL 101 Society in a Global Age (3 Credit Hours)

This is a foundational course in the social sciences which explores the effect of globalization on everyday life in the United States and elsewhere, using the basic perspectives and methodologies of sociology.

*Knowledge Area:* Foundational Societal Knowledge

*Interdisciplinary Option:* African Studies and the African Diaspora

### SOCL 121 Social Problems (3 Credit Hours)

*Pre-requisites:* ANTH 100, PLSC 102, PSYC 100, SOCL 101, WSGS 101, or equivalent; please check requirements for declared majors/minors for exceptions

This course is an opportunity to examine major issues facing society. In addition to analyzing the roots of social problems, the course addresses social policy concerns and explores solutions.

*Knowledge Area:* Tier 2 Societal Knowledge

*Interdisciplinary Option:* Human Services, Peace, Justice, and Conflict Studies

*Course equivalencies:* SOCL121/PAX 121

*Outcomes:*

Students will be able to critically examine the impact of a social problem and its possible solutions, to integrate knowledge gleaned from a variety of disciplines, to find and utilize relevant data and research in defining issues and solutions, and to view social problems from macro and micro perspectives as a means of applying workable solutions for the issues facing society

### SOCL 122 Race and Ethnic Relations (3 Credit Hours)

*Pre-requisites:* ANTH 100, PLSC 102, PSYC 100, SOCL 101, WSGS 101, or equivalent; please check requirements for declared majors/minors for exceptions

This course examines the development of cultural, society, and self-understanding by exploring the social construction of race in the United States. The course explores how social constructions of race affect interpersonal relations, laws, policies, and practices in various racial and ethnic communities.

*Knowledge Area:* Tier 2 Societal Knowledge

*Interdisciplinary Option:* African Studies and the African Diaspora, Asian Studies, Human Services, Italian American Studies, Peace, Justice, and Conflict Studies, Race and Ethnicity

*Course equivalencies:* X-SOCL122/ASIA122/BWS 122/PAX

*Outcomes:*

Students will be able to demonstrate understanding of the conditions which have worsened racial tensions as well as how social movements have been successful at eradicating racially oppressive laws and working towards a just society

### SOCL 123 Mass Media and Popular Culture (3 Credit Hours)

This course examines the connections between the media of mass communication and multiple forms of popular art and culture. Topics considered include the social, political and cultural organization of mass communication and its impact on values, expectations, and life styles of contemporary society.

*Interdisciplinary Option:* Film & Digital Media Studies, International Film & Media Studies, Women & Gender Studies

*Course equivalencies:* SOCL123/WSGS123/IFMS123

*Outcomes:*

Students will be able to demonstrate understanding of the social relationships between mass media and the general population

### SOCL 125 Chicago: Urban Metropolis (3 Credit Hours)

*Pre-requisites:* ANTH 100, PLSC 102, PSYC 100, SOCL 101, WSGS 101, or equivalent; please check requirements for declared majors/minors for exceptions

This course explores the development of Chicago metropolitan region from the 1830's to the present day. Students will explore the urban area not only through texts, but also through fieldwork.

*Knowledge Area:* Tier 2 Societal Knowledge

*Interdisciplinary Option:* African Studies and the African Diaspora, Urban Studies

*Course equivalencies:* SOCL125/URB125

*Outcomes:*

Students will be able to demonstrate understanding of the geography, history and people of the Chicago metropolitan region

### SOCL 127 Social Analysis and Social Action (3 Credit Hours)

This course helps students who are volunteering at local congregations and agencies better understand the communities and issues they will encounter in Chicago. It emphasizes the analysis of "social solutions" to social problems as well as personal reflection and action.

*Interdisciplinary Option:* Peace, Justice, and Conflict Studies

This course satisfies the Engaged Learning requirement.

*Course equivalencies:* X-SOCL127/PAX127

*Outcomes:*

Analyzing and acting on social issues

### SOCL 145 Religion & Society (3 Credit Hours)

*Pre-requisites:* ANTH 100, PLSC 102, PSYC 100, SOCL 101, WSGS 101, or equivalent; please check requirements for declared majors/minors for exceptions

This course examines how religion and society interact.

*Knowledge Area:* Tier 2 Societal Knowledge

*Interdisciplinary Option:* Catholic Studies, Interreligious and Interfaith Studies

*Outcomes:*

Students will be able to demonstrate understanding of how individual behavior, organizations, and society as a whole are affected by religious ideas and institutions, and how religion is itself changed by its encounter with changing social circumstances

### SOCL 171 Sociology of Sex and Gender (3 Credit Hours)

*Pre-requisites:* ANTH 100, PLSC 102, PSYC 100, SOCL 101, WSGS 101, or equivalent; please check requirements for declared majors/minors for exceptions

This course explores the social organization of sex and gender.

*Knowledge Area:* Tier 2 Societal Knowledge

*Interdisciplinary Option:* Human Services, Women & Gender Studies

*Course equivalencies:* X-SOCL271/WOST271/WSGS271

*Outcomes:*

Students will be able to situate their pre-conceived experiences of the naturalness of gender in a particular historical and cultural context

**SOCL 205 Sociological Thought (3 Credit Hours)**

This course examines classical and contemporary sociological theories and uses them as frameworks for understanding modern society. Such social theories attempt to explain and understand the world, as well as inspire further research and theory.

*Interdisciplinary Option:* German Studies

*Outcomes:*

The class provides students with theoretical foundations for understanding social organizations as well as the social processes that transform societies

**SOCL 206 Principles of Social Research (3 Credit Hours)**

This course is an introduction to the basic research methodologies of sociology. A variety of methods used in sociological analysis and data generation will be considered. Students learn how to select and use methodologies appropriate for various research projects. They will be able to critically evaluate existing research and select appropriate techniques to undertake original research.

*Interdisciplinary Option:* Human Services, Urban Studies

*Outcomes:*

Students will learn how social science research is conducted

**SOCL 210 Gender and Work (3 Credit Hours)**

This course looks at the nature of work through the lens of gender. It considers how male and female labor force participation has changed over time. It examines the ways working families are transformed when women combine employment with domestic responsibilities and child care, or when men's jobs no longer provide a family wage.

*Interdisciplinary Option:* Women & Gender Studies

*Course equivalencies:* X-SOCL210/WOST210/WSGS210

*Outcomes:*

Students learn how gender has been and remains a fundamental organizational principle in the workplace and the labor force

**SOCL 212 Patterns of Criminal Activity (3 Credit Hours)**

Students are taught to examine the relevance of criminological theories to patterns of criminal activity, to efforts to control criminals, and to prevent crime.

*Outcomes:*

Students learn how to analyze neighborhoods to identify environments of increased crime risk and relative safety

**SOCL 215 Law & Society (3 Credit Hours)**

This course trains students to examine the law as a sociological concept and to look at the relationship between the legal system and society. A critical concern is whether changes in the legal system reflect societal change or do changes in the legal system stimulate change in society.

*Interdisciplinary Option:* Sociolegal Studies

*Outcomes:*

Students learn to recognize the close linkage between the law and social structure; They also gain experience examining legal texts and decisions

**SOCL 216 The Sociology of Violence (3 Credit Hours)**

The threat of violence is a significant concern for individuals in many societies. In this course, violence will be studied as a social phenomenon. Topics of particular concern include: family violence, gang violence and terrorism.

*Interdisciplinary Option:* Peace, Justice, and Conflict Studies, Urban Studies

*Course equivalencies:* X-SOCL216/PAX 291

*Outcomes:*

Students learn to examine the causes of violence from a sociological perspective. They also learn methods to reduce violence and the harm it causes

**SOCL 220 Topics in the Life Cycle (3 Credit Hours)**

An examination of the stages of the life cycle (childhood, young adulthood, parenthood, later adulthood, etc) and how such stages are defined and interpreted by social and institutional forces.

*Outcomes:*

Students will gain understanding of the role that individual's societies and institutions play in the definition of the life cycle and the implications it has for society

**SOCL 221 Sociology and Culture of the Life Course (3 Credit Hours)**

Life course studies emerged in response to the sociological need to understand how social change intersects with the aging process. Social and cultural contexts, individual experience and agency, and historical time and place are elements in the construction of a life and the social relationships that make it up.

*Interdisciplinary Option:* Bioethics, Human Services

*Course equivalencies:* X-ANTH221/SOCL221

*Outcomes:*

Students learn sociological concepts and theories relevant to the life course and how they help us understand local and global changes; Learn about programs and policies pertinent to an aging society

**SOCL 222 Poverty & Welfare in America (3 Credit Hours)**

In this course, students learn to think critically about the character, causes and responses to poverty in American society, using both historical and contemporary evidence.

*Outcomes:*

Students will understand the strengths and limitations of American welfare policy in relation to poverty

**SOCL 225 Sociology of Health Care (3 Credit Hours)**

This course examines the sociology of health care with particular attention to: social and psychological factors; health care professionals; inter-personal relations in health care; the organization and use of health services; and the relationship between aging and health.

*Interdisciplinary Option:* Bioethics

*Course equivalencies:* X-SOCL225/BIET225

*Outcomes:*

Students will understand the role that social forces play in the health and wellness of individuals, the community and society

**SOCL 226 Science, Technology, & Society (3 Credit Hours)**

This course serves as a broad introduction to the social study and analysis of science and technology in society. It examines how scientific knowledge and technologies are created and constructed and how they influence and are influenced by society.

*Outcomes:*

Students will be able to understand how scientific knowledge and technologies are developed in particular historical and cultural contexts and analyze their impact on our daily lives

**SOCL 228 Sociology of the African-American Experience (3 Credit Hours)**

A sociological inquiry into the historical and contemporary experience of African-Americans. Social movements and social change, urban and institutional processes, social values and collective behavior, and African-Americans and public policy are among the topics explored.

*Interdisciplinary Option:* African Studies and the African Diaspora, Race and Ethnicity

*Course equivalencies:* X-SOCL228/BWS 228

*Outcomes:*

Students will gain a deeper understanding of the experiences that African-Americans have in American society and of the social, political and institutional forces that have contributed to the historical and contemporary experience of African-Americans



**SOCL 230 Self & Society (3 Credit Hours)**

This course examines the relationships between the self as a social product and the larger society in which that self is socialized, develops and expresses itself. Various theories of selfhood are explored.

*Outcomes:*

Students will come to appreciate how selfhood, their own and others, is a product of historical factors as well as social contexts such as class, gender, race and ethnicity

**SOCL 231 Childhood and Society (3 Credit Hours)**

This course looks at the social construction of childhood, the impact of parents, the media, peer groups, and educational institutions as well as changing social attitudes about the place of children in society.

*Interdisciplinary Option:* Human Services

*Outcomes:*

Students will gain a better understanding of the historical and social manner in which childhood is constructed and the impacts of various social institutions, family, religion, media, education on childhood development

**SOCL 234 City, Suburbs & Beyond (3 Credit Hours)**

This course studies the historical emergence of cities, focusing on the ecological, demographic, and organizational processes involved in the continuing growth and change of metropolitan areas and in the relationship of a metropolitan area to the surrounding region.

*Interdisciplinary Option:* Human Services, Race and Ethnicity, Urban Studies

*Course equivalencies:* X-SOCL234/URB234

*Outcomes:*

Students will understand fundamental facts and theories about the character and development of cities and urban regions

**SOCL 235 Communities in a Global Age (3 Credit Hours)**

This course examines communities sociologically, both as a concept and as they exist in society. The course covers urban, racial/ethnic, religious, territorial, utopian, ideological and web-based communities, and their strengths and limitations in a rapidly changing global world.

*Interdisciplinary Option:* Urban Studies

*Outcomes:*

Students will identify, describe and analyze communities using sociological concepts and be able to assess the mechanisms by which old and new communities are being formed as well as their consequences for social life

**SOCL 236 Population Studies (3 Credit Hours)**

This course introduces the study of demography by examining trends of fertility, work, marriage, migration and mortality.

*Interdisciplinary Option:* Bioethics, Human Services

*Course equivalencies:* SOCL236 / SOCL285

*Outcomes:*

Students will gain an understanding of how the size, composition and dynamics of a population influence the social, economic and political structure of individual nations and the world

**SOCL 237 Professions and Society (3 Credit Hours)**

Work involving high levels of expertise—medical, legal, technical, and much else— is a critical component of modern society. This course examines how professional work is structured, the way professionals are trained and organized, the privileges and responsibilities of professional work, and the role of conflicts over expertise in modern society.

*Outcomes:*

Students will gain an understanding of how work based on knowledge and expertise is organized and on the social and economic factors that contribute to the position of professionals in society

**SOCL 239 Understanding Bias and Inclusivity (3 Credit Hours)**

Using an intersectional lens, students learn about how privilege, power, and oppression shape ourselves, perceptions of others, and our social world. They consider how ourselves and others are shaped by and operate within the larger social system. Students explore their identities, values, and biases. Students engage in self-reflection to increase self-awareness.

*Interdisciplinary Option:* Women & Gender Studies

*Course equivalencies:* X - PSYC 239/ SOCL 239

*Outcomes:*

Identify feelings about course topics; Demonstrate self-awareness of identities and values, including the value of difference; Engage in intergroup dialogue; Articulate how personal power can be used to create change

**SOCL 240 Families (3 Credit Hours)**

Contemporary family structures encompass a variety of living arrangements and social relationships. This course considers differences and similarities among the various family types and explores the social, cultural and economic forces structuring family life.

*Interdisciplinary Option:* Human Services, Women & Gender Studies

*Course equivalencies:* X-SOCL240/WOST242/WSGS242

*Outcomes:*

Students will develop an expanded understanding of the varieties of family arrangements and the connections between family life and the wider social, political economic environment

**SOCL 245 Sociology of Education (3 Credit Hours)**

This course is a rigorous introduction into the scholarly traditions and contemporary research developments in the sociology of education. Topics include: educational stratification and inequality, how educational institutions function and with what policy implications, and social psychology/human development.

*Interdisciplinary Option:* Race and Ethnicity

*Outcomes:*

Identify areas of research interest; trace connections to studies in the field; analyze and evaluate policy effectiveness; evaluate the capacity and potential for institutions to support efforts at social justice

**SOCL 247 Sociology of Culture (3 Credit Hours)**

This course examines the social production, consumption, and use of culture and cultural objects, especially in the fields of literature, art, music, mass media and religion.

*Outcomes:*

Students will learn sociological methods of analyzing culture and cultural objects, and will understand the social organization of cultural production and consumption

**SOCL 250 Inequality in Society (3 Credit Hours)**

*Pre-requisites:* ANTH 100, PLSC 102, PSYC 100, SOCL 101, WSGS 101, or equivalent; please check requirements for declared majors/minors for exceptions

This course examines the manner in which contemporary society is divided by race, ethnicity, class, sexuality and gender, and the impact of social institutions on these divisions. An emphasis will be placed on income/wealth differences, status differences, class conflict and social conflict over time.

*Knowledge Area:* Tier 2 Societal Knowledge

*Interdisciplinary Option:* African Studies and the African Diaspora, Asian Studies, Human Services, Peace, Justice, and Conflict Studies, Race and Ethnicity, Women & Gender Studies

*Course equivalencies:* ASIA/AFR/SOCL/WSGS 250

*Outcomes:*

Students will acquire a better understanding of social inequality and what can be done to make society more just

**SOCL 251 Peoples of China: Their Cultures and Customs (3 Credit Hours)**

This class introduces China's cultural diversity and unity as a whole. It provides a general overview of cultural mappings in China, and a detailed study of significant ethnic minorities.

*Knowledge Area:* Tier 2 Societal Knowledge

*Interdisciplinary Option:* Asian Studies, Chinese Language & Culture, Global Studies

*Course equivalencies:* SOCL251/ASIA252/INTS251

*Outcomes:*

Students will gain the ability to perceive cultural phenomena in a comparative framework and understand cultural differences more deeply

**SOCL 252 Global Inequalities (3 Credit Hours)**

This course examines inequality on a global scale, focusing on the impact of globalization processes on race, class and gender inequalities here and abroad.

*Interdisciplinary Option:* Global Studies, Human Services, Race and Ethnicity

*Outcomes:*

Students will analyze how race, class and gender inequalities influence each other across national boundaries, and will recognize global causes and consequences of inequality

**SOCL 254 Sociology of Migration (3 Credit Hours)**

This course is designed to provide a sociological understanding concerning various impacts of immigration in the United States. International migration patterns have significantly affected the development of U.S. society since its inception. In recent decades, the United States experienced a record number of new immigrants from a variety of countries. In this course, we examine fundamental concepts for studying migration, and theories that explain international migration. We also discuss how immigrants have redefined - and will keep redefining - local and foreign demographic dynamics in receiving and sending societies, transnational networks, and a more complex ethno-racial diversity with meaningful international roots., remedial policies, activism, educational objectives).

*Interdisciplinary Option:* African Studies and the African Diaspora, Asian Studies, Global Studies, Latin American Studies, Race and Ethnicity, Women & Gender Studies

*Outcomes:*

Be familiar with key theories, concepts, and analyses that explain migration issues in the United States; Understand the relevance of historical and contemporary associations among cultural, economic, political, and social forces, as well as their impact on immigration; Understand the relevance of sociological knowledge on migration issues for dealing with current social problems at different levels (e.g

**SOCL 255 Deviance and Social Control (3 Credit Hours)**

This course is a socio-historical look at definitions of deviant behavior and individuals, an examination of techniques of social control, and an analysis of specific forms of deviant behavior such as crime and mental illness.

*Interdisciplinary Option:* Human Services

*Outcomes:*

Students learn to analyze how history, science, and philosophy combine to define the nature of deviant behavior and to identify deviant individuals

**SOCL 258 Confronting Homelessness: Local to Global (3 Credit Hours)**

*Pre-requisites:* SOCL 101 or PSYC 100 or PLS 102 or ANTH 100

Who are homeless people in the United States and beyond? Why are they homeless? What is being done to address the issues of homelessness? This course addresses these questions from a variety of disciplinary perspectives. As an "engaged learning" course, students will also learn by assisting at various agencies. The student will be able to discuss framings of the causes of homelessness and evaluate different policy approaches for addressing it while contributing work to a local agency.

*Interdisciplinary Option:* Urban Studies

**SOCL 260 Power in Society (3 Credit Hours)**

This course focuses on sociological theories and case studies of power, authority, and social change. It explores the ways in which power relations perpetuate social inequality and the ways in which social conflicts and power struggles transforms society.

*Outcomes:*

Students learn about the structures of power in economic systems, political systems, and organizations; the cultural and ideological underpinnings of power relationships; and political struggles for social change

**SOCL 261 Social Movements & Social Change (3 Credit Hours)**

This course examines the dynamics of collective behavior and movements promoting social change.

*Interdisciplinary Option:* Peace, Justice, and Conflict Studies, Sociolegal Studies

*Outcomes:*

Students will demonstrate understanding of competing explanations of social movements and social change, and will be able to test various theories by analyzing historical movements for change

**SOCL 262 Movements for Social Justice: 60s & Beyond (3 Credit Hours)**

This course focuses on movements for social justice and human rights from the 1960s to the present.

*Interdisciplinary Option:* Human Services, Women & Gender Studies

*Outcomes:*

Students gain an understanding of how and why such movements emerged and developed the effectiveness of various strategies, and the impact of movements on American society

**SOCL 263 Political and Social Movements in China (3 Credit Hours)**

This course examines historical and contemporary movements pursuing political, economic and social reforms in China. It studies both state-sponsored and voluntary movements.

*Interdisciplinary Option:* Global Studies

*Course equivalencies:* SOCL263/INTS263

*Outcomes:*

Students will gain a deeper understanding of China's ongoing transformation, and will learn how to develop their own scholarly analysis of such social change

**SOCL 265 Globalization & Society (3 Credit Hours)**

This course examines the nature of contemporary globalization and considers how it influences communities, nations and the world.

The course examines the positive and negative consequences of globalization and the global justice movements that have emerged seeking more equality, tolerance and environmental stewardship.

*Interdisciplinary Option:* Global Studies, Urban Studies

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students learn how economic, political and cultural aspect of globalization impact society in an increasingly interconnected world

**SOCL 266 Development and Social Change in Modern China (3 Credit Hours)**

This course examines change and development in modern China from the late Qing period to the present, focusing on the movement from a planned economy to a market-based economy.

*Interdisciplinary Option:* Asian Studies, Global Studies, Women & Gender Studies

*Outcomes:*

Students will gain knowledge of China's economic development path, and will apply gender and/or class-based analysis to patterns of social change

**SOCL 267 Italy Today (3 Credit Hours)**

*Pre-requisites:* One Tier I Foundational Social and Cultural Knowledge Core course: SOCL 101, ANTH 100, PLSC 102, or PSYC 100

Italy Today traces the nation's extraordinary transformation from the ashes of World War II to the leading economic and cultural power it is today and analyses a broad range of issues in contemporary Italy, such as Catholicism, gender, family, emigration and immigration, regional identities, media and material culture.

*Interdisciplinary Option:* Global Studies, Italian American Studies, Italian Studies

*Outcomes:*

Understand the transformation of Italy since WWII Think critically about issues such as stereotypes, regional identities, and diversity

**SOCL 270 Sociology of Science (3 Credit Hours)**

This course examines science as a distinctive form of knowledge and social organization.

*Outcomes:*

Students will be able to understand science as a human, social enterprise and its relationship to society

**SOCL 272 Environmental Sociology (3 Credit Hours)**

This course examines the distinctively social aspect of the relationship of people to their environments, both built and natural.

*Interdisciplinary Option:* Bioethics, Human Services, Peace, Justice, and Conflict Studies, Urban Studies

*Course equivalencies:* X-SOCL272/ESP272PAX 272BIET272

*Outcomes:*

Students will recognize the role that both social and physical factors play in the environmental problems facing the world; Students will also develop critical thinking skills needed to evaluate statements and policy proposal to improve environmental quality

**SOCL 275 The Sociology of Consumption (3 Credit Hours)**

This course examines the profound ways society and individuals have been transformed by the abundance of consumer goods and mass media that encourage buying these good.

*Interdisciplinary Option:* Urban Studies

*Outcomes:*

Student will gain a deeper understanding of the nature and origins of contemporary consumer society and the ways in which consumerism impacts society and individuals

**SOCL 276 The Sociology and Politics of Food (3 Credit Hours)**

Explores the impact of globalized economic, political, and social relationships through the prism of food. Considers the cultural and ideological dimensions of food, the structure of food production and consumption, and responses to the global food system.

*Interdisciplinary Option:* Urban Studies

*Outcomes:*

Students will gain awareness of themselves as consumers of food and food products

**SOCL 278 Global Health (3 Credit Hours)**

This course addresses the underlying social, economic, political, and cultural mechanisms driving some of the leading issues in global health today; including the rise of non-communicable diseases in low and middle income countries, neglected infectious diseases, human resources for health, and access to global pharmaceuticals.

*Interdisciplinary Option:* Bioethics

*Outcomes:*

Students will become familiar with evaluating the global health policy process, and debating possible routes to achieving health equity

**SOCL 280 Topics in Contemporary Sociology (3 Credit Hours)**

The course examines selected contemporary sociological issues. Topics addressed represent specialized or newly developing areas of sociological inquiry. Topics will vary from semester to semester.

*Outcomes:*

Students gain insights into contemporary social issues and learn how to use the concepts, theory and methods of sociology to examine them

**SOCL 281 Current Issues in Medical Education (1 Credit Hour)**

*Pre-requisites:* Sophomore Standing or Above; Instructor Permission  
This class is an opportunity to examine selected reform and innovation movements facing health professional education and training. Sophomore standing or above is required.

*Outcomes:*

Students will demonstrate critical analysis of selected reforms and innovations in health professional education and training

**SOCL 301 Statistics for Social Research (4 Credit Hours)**

*Pre-requisites:* SOCL 206

The course is a comprehensive introduction to statistical analysis in social research. Topics include: univariate, bivariate, and multivariate analysis, computer statistical applications and interpretation of results.

*Interdisciplinary Option:* Human Services

*Outcomes:*

Students will demonstrate understanding of statistical thinking and data analysis techniques and be able to use them to evaluate existing research and conduct original research

**SOCL 302 Qualitative Research (3 Credit Hours)**

An introduction to the major qualitative methods of social inquiry. Participant observation, interviewing, historical analysis, and content analysis, as well as ethical issues of field research are studied.

*Outcomes:*

Students will gain understanding of important methods of data collection and analysis common in social science research; Students will gain experience using these techniques to conduct research and evaluate the research of others

**SOCL 304 Global Civil Society and Social Movements (3 Credit Hours)**

This course focuses on global civil society groups (both advocacy groups or apolitical) and on social movements that seek to fight injustices.

We discuss a variety of examples of civil society projects ranging from monitoring government corruption and promoting micro-credit to organizing transnational protest campaigns.

*Interdisciplinary Option:* Global Studies

*Course equivalencies:* X-GLST 304/SOCL 304

*Outcomes:*

Students will demonstrate a comprehension of the dynamics of global civil society and social movements, both for cases discussed in class and to material from outside class

**SOCL 306 International Development (3 Credit Hours)**

This course provides an interdisciplinary overview of the international development system and issues related to development in those countries variously referred to as third world, developing, underdeveloped, or peripheral countries.

*Interdisciplinary Option:* Global Studies

*Course equivalencies:* X-GLST 306/SOCL 306

*Outcomes:*

Students will develop a fundamental knowledge of the various factors that are considered to help or hinder development

**SOCL 311 Social Science Research Practicum: Cook County Community Survey (3 Credit Hours)**

*Pre-requisites:* SOCL 301 or equivalent

Familiarity with R, Stata, SAS, or SPSS necessary. Students will analyze this year's iteration of the annual Cook County Community Survey. They will draw on the data to prepare written, public-facing reports, public presentations, and scholarly research.

This course satisfies the Engaged Learning requirement.

*Course equivalencies:* PLSC 311/SOCL 311

*Outcomes:*

Describe the strengths and limitations of modern polling techniques; Use statistical software to analyze survey data; Communicate findings from surveys to a broad audience orally and in written form

**SOCL 334 Latinas/os/xs in Space (3 Credit Hours)**

Latinas/os/xs are the largest minoritized population in the United States with a population of more than 60 million. As the fast growing demographic in the U.S., how is this complex and variegated population (re)conceptualizing, (re)framing, (re)making, and (de)constructing spatial boundaries? Further, how are Latinas/os/xs both transforming and challenging U.S. physical and conceptual landscapes? Drawing from spatial, decolonial, and feminist of color theories, we will engage these questions through a thematic exploration of the ways that Latinas/os/xs have influenced, shaped, and (re)used space as a struggle to maintain dignity and engage in place-making. We will connect these ideas to geography, citizenship, civil rights, social justice, and cultural practices. This is a discussion and project-based course.

*Interdisciplinary Option:* Latin American Studies, Race and Ethnicity, Women & Gender Studies

*Outcomes:*

Identify and describe the impact Latinas/os/xs have on US culture, history, and geography; Critically analyze political, social, and cultural treatment of Latinas/os/xs in the US; Critically analyze US culture using spatial and decolonial theories; Understand the intersection(s) of space, race, and opportunity within the US; Link social issues and responses to creative outlets/endeavors; Work in small teams; Gain oral presentation skills

**SOCL 335 Urban Semester Seminar (3 Credit Hours)**

*Pre-requisites:* Junior or senior standing

Students explore how cities work through texts, field trips, and guest speakers, and help find solutions to pressing urban issues. They fulfill civic engagement core value requirement.

*Interdisciplinary Option:* Urban Studies

This course satisfies the Engaged Learning requirement.

*Course equivalencies:* X-SOCL335/PLSC335

*Outcomes:*

Students will understand and address inequities in urban communities, and identify avenues of leadership and civic engagement in contemporary cities

**SOCL 365 Social Theory & Social Research (3 Credit Hours)**

*Pre-requisites:* SOCL 205, 206, 301, and senior standing, or permission of instructor or chair

In this capstone course, each student designs and conducts an empirical research project resulting in a senior research paper.

*Outcomes:*

Student demonstrate mastery of sociological theory and methods by writing a research paper bringing a full complement of sociological skills to bear on an issue of substantial theoretical and/or practical importance



**SOCL 370 Undergrad Seminar-Special Topics (3 Credit Hours)**

Using a seminar format, the course undertakes an in-depth study of selected contemporary sociological issues in depth. Topics addressed represent specialized or newly emerging areas of sociological inquiry and will vary from semester to semester.

*Outcomes:*

Students have opportunity to examine contemporary social issues in a seminar environment and learn how to use the concepts, theory and methods of sociology to examine them

**SOCL 372 Directed Readings (3 Credit Hours)**

*Pre-requisites:* Permission of instructor or chair

Independent study of a selected body of sociological literature on a topic defined by the student in collaboration with a faculty advisor.

*Outcomes:*

Student gains in-depth knowledge of a selected sub-field of sociology

**SOCL 380 Internship (3-6 Credit Hours)**

*Pre-requisites:* Permission of instructor or chair

Supervised field experience for students working in a selected community organization, government agency, social agency, or business.

*Interdisciplinary Option:* Human Services

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students have opportunity to apply the skills and analysis of sociology to a concrete situation

**SOCL 380I Internship: Interreligious & Interfaith Studies Focus (3 Credit Hours)**

An internship in an interreligious or multireligious setting. The student will also write an analysis of the ways diverse religious traditions interact in practical settings. Restricted to IRIF minors.

*Interdisciplinary Option:* Interreligious and Interfaith Studies

*Course equivalencies:* X-IRIF 380/SOCL 380I

*Outcomes:*

This capstone experience is intended to give students an opportunity to experience and reflect on developing interreligious cooperation in the contemporary world

**SOCL 397 Independent Study Projects (3 Credit Hours)**

Independent study of a topic delineated by the student in collaboration with an individual faculty member.

*Outcomes:*

Student gains experience and expertise in defining and conducting independent scholarly work

**SOCL 398 Independent Study Projects (1-6 Credit Hours)**

Independent research done in collaboration with a faculty member on a sociological topic defined by the student in consultation with a faculty member.

*Outcomes:*

Student gains experience and expertise conducting independent research

**SOCL 399 Independent Study Projects (3 Credit Hours)**

Advanced independent research in collaboration with a faculty member on a sociological topic relevant to the student. Limited to senior Sociology majors.

*Outcomes:*

Student gains experience and expertise conducting independent research

## Spanish (SPAN)

**SPAN 101 Spanish I (3 Credit Hours)**

This course is an introduction to the basic elements of Spanish language and culture. It is designed for students with no previous experience in Spanish.

*Outcomes:*

Students will be able to understand simple messages and short narratives, respond to basic inquiries about themselves and others, formulate basic questions, as well as understand basic written texts

**SPAN 102 Spanish II (3 Credit Hours)**

*Pre-requisites:* SPAN 101

This course builds on SPAN 101, and introduces students to new topics and grammatical structures.

*Interdisciplinary Option:* Latin American Studies

*Outcomes:*

Students will be able to produce sounds in Spanish more accurately, express appropriate reactions to ordinary situations, understand basic oral commands, read more complex texts, and write sentences in cohesive paragraphs

**SPAN 103 Spanish III (3 Credit Hours)**

*Pre-requisites:* SPAN 102

This course is the first semester of second-year Spanish.

*Outcomes:*

Students will increase their knowledge of Spanish grammar and vocabulary, and their Spanish communication skills

**SPAN 104 Spanish IV (3 Credit Hours)**

*Pre-requisites:* SPAN 103

This course is the second semester of second-year Spanish.

*Outcomes:*

Students will continue to perfect their knowledge of Spanish grammar and vocabulary, with greater stress on reading and speaking

**SPAN 190 Spanish for Medical Professionals I (3 Credit Hours)**

This course develops intermediate-level skills in comprehension and conversation for the health professions. It is for students who have completed at least Spanish 104 who have intermediate-level Spanish language skills.

*Outcomes:*

Students will be able to understand and use appropriate Spanish expressions in a variety of situations involving use of Medical Spanish; Students will understand essential information about the dialects and cultural characteristics of major Spanish speaking populations in Chicago

**SPAN 195 Spanish for Medical Interpretation (3 Credit Hours)**

This course is part of an intermediate advanced sequence focusing on (mainly) advanced oral intercultural skills in Spanish language oriented to preparing students for the interaction with Spanish speaking patients with none or little English skills. Students will develop a strong cultural sensitivity to improve future patient-doctor communications, while reflecting on the role of medical interpreters in successful medical outcomes. An intensive speaking, translating and interpreting training will help to strengthen students' knowledge of language and their confidence in its use.

**SPAN 250 Composition & Conversation I (3 Credit Hours)***Pre-requisites:* SPAN 104

This course is the first in an intermediate-level sequence designed to develop greater fluency in speech and writing through diverse readings and activities and is taught in Spanish.

*Outcomes:*

Students will be able to speak, read, write, and comprehend readings in Spanish at the intermediate level

**SPAN 251 Composition & Conversation II (3 Credit Hours)***Pre-requisites:* SPAN 250

Advanced conversation and composition course designed to develop greater fluency in speech and writing through diverse readings and activities. Taught in Spanish and required for Spanish majors.

*Outcomes:*

Students will be able to speak, read, write, and comprehend readings in Spanish at the advanced, third-year college level

**SPAN 252 Composition & Conversation: Native Speakers (3 Credit Hours)***Pre-requisites:* fluency in Spanish

This course is designed for Spanish-speaking students, and is an intensive study of grammar and composition.

*Outcomes:*

Students will develop greater fluency in written Spanish

**SPAN 253 Advanced Composition & Conversation: Native Speakers (3 Credit Hours)***Pre-requisites:* SPAN 252 or equivalent

This course is a continuation of SPAN 252.

*Outcomes:*

Students will develop greater fluency in written Spanish

**SPAN 270 Introduction to Critical Analysis in Spanish (3 Credit Hours)**

This course reviews and sharpens the essential skills and techniques necessary to critically read, interpret, and write and speak about all genres of Hispanic literature (narrative, poetry, drama, and essay) in Spanish. In so doing, students refine their linguistic skills, and gain awareness of the complexities of the Spanish-speaking world.

*Interdisciplinary Option:* European Studies*Outcomes:*

Students will gain the necessary skills for critically reading, writing and discussing all genres of Hispanic literature

**SPAN 271 Introduction to Iberian Literature and Culture (3 Credit Hours)**

An introduction to Iberian literature, film, and cultural production, designed to provide students with an understanding of Iberian culture, history, and society, while also honing their linguistic and analytical skills.

*Interdisciplinary Option:* European Studies, Global Studies*Outcomes:*

Students will gain a grounding in Iberian literary and cultural production, an understanding of various literary and cultural forms, and an awareness of their context of production

**SPAN 272 Introduction to Spanish American Literature and Culture (3 Credit Hours)**

An introduction to Spanish-speaking Latin American literature, film, and other forms of cultural production, designed to provide students with an understanding of the region's variety and complexity while also honing their linguistic and analytical skills.

*Outcomes:*

Students will obtain a grounding in Spanish-speaking Latin American literary and cultural production, an understanding of various literary and cultural forms, and an awareness of their context of production

**SPAN 300 Tutorial for Credit (1-6 Credit Hours)***Pre-requisites:* permission of chairperson

Course material will be agreed upon by the student and instructor.

*Outcomes:*

Students will explore an aspect of Spanish language, culture and civilization, or literature not present in the curriculum or not offered that semester

**SPAN 302 Business Spanish (3 Credit Hours)**

Introduction to the fundamentals of the Spanish language and Hispanic culture as it relates to business practices.

*Outcomes:*

Students will learn the language of commerce in Spanish

**SPAN 305 Advanced Spanish Grammar (3 Credit Hours)***Pre-requisites:* SPAN 251 and permission of chairperson

This course is an overview of the most important aspects of Spanish grammar: sentence components, verbal systems, pronominal system, sentence structure, and paragraph structure.

*Outcomes:*

Students will be able to analyze words, sentences, both simple and compound, and to properly use pertinent linguistic terminology

**SPAN 308 Literary Criticism (3 Credit Hours)**

Introduction to various theories and methods of literary criticism and textual analysis. Conducted in English.

*Course equivalencies:* X-FREN/GERM/ITAL/SPAN308*Outcomes:*

Students will be able to demonstrate a comprehensive critical knowledge of major currents and themes in international literary criticism and theory

**SPAN 311 Generation of 1898 (3 Credit Hours)***Pre-requisites:* Permission of chairperson

This course studies the distinctive group of turn-of-the-century Spanish writers known as the 'Generation of 1898': Unamuno, Baroja, Valle-Inclán, Machado, etc.

*Interdisciplinary Option:* European Studies, Global Studies*Outcomes:*

Students will be able to discern the similarities and differences among the writers of this generation, as well as their relationship to modernism

**SPAN 314 Survey of Medieval Literature (3 Credit Hours)**

This course is a survey of the more prominent works of the Spanish Middle Ages - El Cantar de Mío Cid, El libro del buen amor, El conde Lucanor, and La tragicomedia de Calisto y Melibea o La Celestina - which reflect the religious, spiritual, and intellectual currents of Medieval Spain. In the form of seminar discussions and independent study, students will examine the aesthetic, social, and political trends of the ninth through fifteenth centuries, as well as the most important themes writers developed in pre-modern Iberia: honor, authority, vice and virtue, pilgrimage, devotion, and humor. These themes will be explored in the major works (primary sources), which will be complemented by secondary source readings and each student's independent research. The writers and texts studied in this course will also be viewed in the context of the greater artistic production in Spain and Medieval Europe.

*Interdisciplinary Option:* European Studies, Medieval Studies

**SPAN 319 Romanticism (3 Credit Hours)**

*Pre-requisites:* permission of chairperson

Study of the principle philosophical and esthetic characteristics of romanticism through readings in the major Spanish and/or Latin American romantic authors.

*Interdisciplinary Option:* European Studies

*Outcomes:*

Students will be able to recognize the principle characteristics of romanticism, its foreign influences, and its historical development in a variety of genres, including drama, prose fiction, essay, and poetry

**SPAN 321 20th Century Theatre (3 Credit Hours)**

*Pre-requisites:* permission of chairperson

An examination of 20th Century Theater in Spain covering such dramatists as Valle-Inclán, J. Benavente, M. Mihura, García Lorca, Buero Vallejo, and others.

*Interdisciplinary Option:* Global Studies

*Outcomes:*

Students will gain an understanding of dramatic genres and the contribution of Spanish playwrights to contemporary discussions on political and aesthetic issues

**SPAN 326 Theater of The Golden Age (3 Credit Hours)**

*Pre-requisites:* permission of chairperson

A study of major Renaissance and Baroque plays by Calderón, Lope de Vega, Tirso de Molina, Mira de Amescua, Juan Ruiz de Alarcón, and others.

*Interdisciplinary Option:* European Studies

*Outcomes:*

Students will learn to recognize mythological and historical themes while discussing the ethics of tragedy, the evolution of comic characters, and social concerns in the era of absolutism

**SPAN 330 Survey-Poetry Theory & Practice (3 Credit Hours)**

The poetry of the 19th century in Spain and Latin America derives from two literary, artistic and cultural movements: romanticism and modernism.

**SPAN 331 20th Century Poetry (3 Credit Hours)**

*Pre-requisites:* Permission of chairperson

A study of the development of modern Spanish poetry from post-modernism to the present with a special emphasis on the Hispanic poets of the avant garde.

*Interdisciplinary Option:* European Studies, Global Studies

*Outcomes:*

Students will be able to recognize the major poetic trends, forms, themes, and movements in 20th century Spanish verse

**SPAN 336 Poetry of The Golden Age (3 Credit Hours)**

*Pre-requisites:* permission of chairperson

An exploration of the influence of the Italian Renaissance on the Spanish tradition: Garsilaso de la Vega, Herrera, San Juan de la Cruz, Fray Luis de León, Quevedo, Góngora and others.

*Outcomes:*

Students will learn to recognize classical themes and rhetorical techniques, and to trace the development of such genres as epic, satire, and the lyric

**SPAN 339 19th Century Poetry (3 Credit Hours)**

*Pre-requisites:* permission of chairperson

This course is a survey of 19th-century literature, with emphasis on Romanticism and Realism.

*Outcomes:*

Students will become acquainted with the rich literature of the nineteenth century and will improve their critical and analytical skills

**SPAN 340 Survey Prose-Fictional & Nonfiction (3 Credit Hours)**

*Pre-requisites:* permission of chairperson

This course traces the development of Spanish prose from the Middle Ages to the present day. All prose genres are included.

*Interdisciplinary Option:* European Studies

*Outcomes:*

Students will come to appreciate and understand how peninsular prose has developed

**SPAN 341 20th Century Spanish Literature (3 Credit Hours)**

*Pre-requisites:* permission of chairperson

Beginning with the Generation of 1898 and concluding with post-modernism, this course studies the rich literature of modern Spain.

*Interdisciplinary Option:* European Studies, Global Studies

*Outcomes:*

Students will better understand and appreciate the complexities of modern Spanish literature, as well as improve their critical and analytical skills

**SPAN 346 Prose of The Golden Age (3 Credit Hours)**

*Pre-requisites:* permission of chairperson

An approach to the picaresque, the pastoral novel and the essay with their concern with power and submission in everyday life. A study of the growing role of individual experience in fictional modes.

*Interdisciplinary Option:* European Studies

*Outcomes:*

Students will recognize the confluence of different prose styles, and the creation of individual voices in fiction; They will also become familiar with emerging concerns with religious and scientific issues during the period

**SPAN 347 Cervantes Don Quijote (3 Credit Hours)**

*Pre-requisites:* permission of chairperson

This course reads Cervantes' masterpiece with an emphasis on critical approaches, and on the book's impact on the invention of the modern novel.

*Interdisciplinary Option:* European Studies

*Outcomes:*

Students will learn about Cervantes's contribution to the development of modern fiction; They will become familiar with the novel's connection to other literary genres, and the role of metafiction and textuality

**SPAN 349 Realism and Naturalism (3 Credit Hours)**

*Pre-requisites:* permission of chairperson

This course is primarily a study of the novel of Realism and Naturalism, as well as of the short story.

*Interdisciplinary Option:* European Studies, Global Studies

*Outcomes:*

Students will be able to understand the goals of the great Realists and Naturalists and see their relationship to the major European masters of the nineteenth century

**SPAN 352 Masterpieces of Latin American Literature (3 Credit Hours)**

*Pre-requisites:* permission of chairperson

This course is a survey of representative works from pre-Colombian times to the present day, and an introduction to literary genres and defining themes in Latin American literature. It is taught in Spanish.

*Interdisciplinary Option:* Latin American Studies

*Course equivalencies:* X-SPAN352/LASP372

*Outcomes:*

Students will be able to understand the principal works, movements, and genres in Latin American literature

**SPAN 353 Literary Masterpieces of Spain (3 Credit Hours)**

This course is a survey of representative works of Spanish literature from the Middle Ages to the present, that is, from the first texts in the Castilian Spanish language (eleventh century), to works of the Renaissance and Baroque, and beyond, to key works of modern and contemporary times.

*Outcomes:*

Students will obtain a firm grasp of Iberian literary production, and an awareness of their context of production

**SPAN 360 Intro to Hispanic Linguistics (3 Credit Hours)**

*Pre-requisites:* SPAN 271 or 272

Introduction to Hispanic Linguistics is an introductory course on the structure of Spanish and its use in the Spanish-speaking world. Introducing the linguistic terminology and the basis for this science, helping the student analyze the grammatical structure and sounds of Spanish, and familiarizing the student with the different varieties of Spanish.

**SPAN 361 Hispanic Women Writers (3 Credit Hours)**

*Pre-requisites:* SPAN 271 or SPAN 272

A comparative study of 20th century Spanish and Latin American women writers who practice a variety of genres: autobiography, memoir, novel, short story, poetry, and testimonio.

*Interdisciplinary Option:* Women & Gender Studies

*Outcomes:*

Students will be able to recognize the major concerns of 20th century Hispanic women's writing

**SPAN 362 History of Hispanic Feminism (3 Credit Hours)**

This course challenges the usual view of feminism in Hispanic societies - that it played a minimal role in the revolutionary movements of the 20th century - through the reading of a series of works from the colonial period to the present, that chart the Hispanic woman's struggle to achieve liberation and self-realization.

*Interdisciplinary Option:* Global Studies

*Outcomes:*

Students will be able to trace the true history of Hispanic feminism, beginning with Sor Juana Ines de la Cruz, and ending with such contemporary feminist writers as Rosario Ferre, Rosario Castellanos, Montserrat Roig, and Rosa Montero

**SPAN 363 Borges (3 Credit Hours)**

This course focuses on the poetry and prose of Jorge Luis Borges, one of the central figures in 20th century Latin American literature, and one of the major writers of modern times.

*Interdisciplinary Option:* Global Studies

*Outcomes:*

Students will be able to recognize the major themes and forms of Borges, as well as appreciate his seminal role in the creation of the so-called literature of the "boom" in Latin America

**SPAN 364 Advanced Spanish Oral Expression (3 Credit Hours)**

This advanced Spanish course will induce students to acquire more sophisticated tools for conversational management and oral expression, and in enlarging their vocabulary through structured practice.

*Outcomes:*

Students will gain more sophisticated skills and fluency in Spanish

**SPAN 365 Latin American Cinema (3 Credit Hours)**

This course will focus on Latin American cinema, from its early beginnings in silent cinema to the present. Instructor's consent required to enroll.

*Interdisciplinary Option:* Global Studies, Latin American Studies

*Outcomes:*

Students will gain an understanding of the formation of national film industries, the emergence of larger regional trends, and the cinematic treatment of social, political and economic aspects of various Latin American countries

**SPAN 366 Spanish Cinema (3 Credit Hours)**

Spanish film from early Surrealistic cinema to contemporary pastiche: Bunuel, Berlanga, Erice, Borau, Saura, Aranda, Almadovar, etc.

*Interdisciplinary Option:* European Studies, Global Studies

*Outcomes:*

Students will gain an understanding of the development of cinema in Spanish society, and how it incorporated old genres such as comedy or melodrama

**SPAN 367 Spanish Sociolinguistics (3 Credit Hours)**

This course is an introduction to sociolinguistics.

*Outcomes:*

Students will gain a rudimentary knowledge of the linguistic sciences (semantics, phonology, syntax, language acquisition) with a focus mainly on linguistic issues of great relevance in contemporary United States: Ebonics, Spanglish, language in the media, language and gender, and language in politics, and the 'English only' movement

**SPAN 368 Baroque and Neobaroque (3 Credit Hours)**

The course will examine XVII century literature, including poetry, drama and prose of the periods in Spain and Latin- America, and will study the works of Quevedo, Gongora, Maria de Zayas, Lope de Vega, Calderon, Sor Juana, Carpentier, Sarduy.

*Interdisciplinary Option:* European Studies

*Outcomes:*

Students will understand the aspects of XVII century literature that relate to visual and spatial contexts, and the transformation that literature into a new style

**SPAN 370 Latin American Poetry (3 Credit Hours)**

*Pre-requisites:* permission of chairperson

Panoramic view of Latin American poetry with special emphasis on modernism, the avant-garde, and the post-World War II period. Selected authors include Gabriela Mistral, Delmira Agustini, César Vallejo, Vicente Huidobro, Octavio Paz, Pablo Neruda, and Gio

*Interdisciplinary Option:* Global Studies, Latin American Studies

*Course equivalencies:* X-SPAN370/LASP370

*Outcomes:*

Students will understand the principle forms, trends, themes and movements in Latin American verse through the work of poets from Sor Juana Inés de la Cruz to Ernesto Cardenal

**SPAN 371 Latin-American Poetesses (3 Credit Hours)**

*Pre-requisites:* permission of chairperson

Survey of Latin American women's poetry from Sor Juana Inés de la Cruz to Gioconda Belli.

*Interdisciplinary Option:* Latin American Studies

*Course equivalencies:* X-SPAN371/LASP371

*Outcomes:*

Students will be able to discern a distinctive female voice in Latin American verse, while familiarizing themselves with the principle women poets from the colonial period to the present



**SPAN 380 Latin American Prose Fiction (3 Credit Hours)***Pre-requisites:* SPAN 270 or 271

Representative selection of Latin American fiction from first half of twentieth century. Taught in Spanish.

*Interdisciplinary Option:* Global Studies, Latin American Studies*Course equivalencies:* X-SPAN380/LASP380*Outcomes:*

Students will be able to comment knowledgeably on content, form, and context of selected Latin American works of fiction

**SPAN 381 Contemporary Spanish-American Novel (3 Credit Hours)***Pre-requisites:* SPAN 270 or 271

This course covers a representative selection of Latin American fiction from second half of twentieth century. Taught in Spanish.

*Interdisciplinary Option:* Global Studies, Latin American Studies*Course equivalencies:* X-SPAN381/INTS383/LASP381*Outcomes:*

Students will be able to identify and assess both the contextual and the formal features of modern Latin American fiction

**SPAN 382 Latin American Theatre (3 Credit Hours)**

An introduction to major playwrights from Argentina, Chile, Cuba, México, Venezuela and Colombia from the early baroque to the 20th Century.

Topics include realism, existentialism, meta-theatre, performance art, and female dramatists.

*Interdisciplinary Option:* Latin American Studies*Course equivalencies:* X-SPAN382/LASP382*Outcomes:*

Students will be able to discuss different schools of drama and their impact on the stage in South America; They will also become familiar with playwrights who have used theater to approach social problems and critique contemporary mores

**SPAN 385 Caribbean Literature (3 Credit Hours)**

The course covers novelists and/or poets from Cuba, the Dominican Republic and Puerto Rico: Cabrera Infante, Alejo Carpentier, Reinaldo Arenas, Luis Rafael Sánchez, Ana Lidia Vega, Zoe Valdés, Lezama Lima, Severo Sarduy and others.

*Interdisciplinary Option:* Global Studies, Latin American Studies*Course equivalencies:* SPAN385/LASP385*Outcomes:*

Students will explore the role of Afro-Caribbean mythology, and learn about the use of humor and music forms in fiction; They will recognize certain historical patterns (slavery, dictatorship) and how they shape the creation of extreme characters and situation

**SPAN 389 Latin American Short Story (3 Credit Hours)**

Survey of the Latin American short story from the middle of the 19th century to the present.

*Interdisciplinary Option:* Global Studies, Latin American Studies*Course equivalencies:* X-SPAN389/LASP389*Outcomes:*

Students will be able to contextualize short stories, to analyze them both formally and thematically, and to recognize the different types of short story written in Latin American: realist, fantastic, folkloric, indigenist, humorous, detective, metaphysical, social protest, feminist, etc

**SPAN 390 Latin American Culture and Civilization (3 Credit Hours)***Pre-requisites:* SPAN 270 or 271

This is a survey course of Latin American culture and civilization and examines the main cultural, intellectual and political currents that have taken shape in Latin America. Special attention is given to the art and literature that has come to from contemporary Latin American culture within the context of colonization and independence.

*Interdisciplinary Option:* Catholic Studies, Global Studies, Latin American Studies*Course equivalencies:* X-SPAN390/INTS397/LASP390*Outcomes:*

To gain knowledge, analyze and understand the main characteristics which define Latin American culture; This will be accomplished through the study of texts, art and film

**SPAN 391 Spanish Culture and Civilization (3 Credit Hours)***Pre-requisites:* SPAN 270 & SPAN 271

This is a survey course of Spanish culture and civilization and examines the main cultural, intellectual and political currents that have taken shape in Iberia and Spain. Special attention is given to the art and literature that has come to from contemporary Spanish culture within the context of European history.

*Interdisciplinary Option:* Catholic Studies, Global Studies*Outcomes:*

To gain knowledge, analyze and understand the main characteristics which define Latin Spanish culture; This will be accomplished through the study of primary texts, back-ground reading, art and film

**SPAN 395 Internship (3 Credit Hours)**

The internship will allow students to work in a variety of settings using Spanish - business, education, government, or social service agencies. This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will gain practical experience in speaking and writing Spanish

**SPAN 396 Saints and Sinners of Spain (3 Credit Hours)***Pre-requisites:* SPAN 270 and SPAN 271 or 272

This course surveys prominent Spanish Golden Age authors whose writings reflect the religious, spiritual, and intellectual currents of early Modern Spain, with a concentration on the culture of the Counter-Reformation. Its primary focus is how Christian life is reflected in literature and art and the portrayal of virtue and vice. To comprehend religious, spiritual and intellectual currents in Spanish culture, as reflected in literature and art.

*Interdisciplinary Option:* Catholic Studies**SPAN 397 Topics in Hispanic Literature (3 Credit Hours)**

This revolving-topics course allows students to focus on a specific theme, such as Hispanic Feminism, Visions of America, or The Literature, Cinema and Music of 21st century Spain. It also provides for in-depth study of a single author, such as Federico Garcia Lorca, Miguel de Unamuno or Jorge Luis Borges.

*Interdisciplinary Option:* Latin American Studies*Course equivalencies:* X-SPAN397/LASP397

## Statistics (STAT)

### STAT 103 Fundamentals of Statistics (3 Credit Hours)

This course provides an introduction to statistical reasoning and techniques in descriptive and inferential statistics and their applications in economics, education, genetics, medicine, physics, political science, and psychology. Not open to students who have completed ISOM 241.

*Knowledge Area:* Quantitative Knowledge

*Course equivalencies:* ISSCM/H/241/STAT103/ACST101/03

*Outcomes:*

Students will obtain a background in the fundamentals of descriptive and inferential statistics along with an understanding of their uses and misuses; This course satisfies the quantitative literacy requirement of the core curriculum

### STAT 203 Introduction to Probability & Statistics (3 Credit Hours)

*Pre-requisites:* MATH 132 or MATH 162 or MATH 162A; MATH 162 may also be taken concurrently as a co-requisite

This course is a Calculus-based rigorous introduction to basic topics in probability (distributions, expectations, variance, central limit theorem and the law of large numbers) and statistics (estimation, hypothesis testing, regression, design of experiments) needed in engineering and science applications.

*Outcomes:*

Students will obtain required knowledge in probability and statistics useful in every area of engineering and science; They will learn how to assess data and outcomes of experiments

### STAT 303 SAS Programming & Applied Statistics (3 Credit Hours)

*Pre-requisites:* STAT 103 or 203 or 335

This course provides an introduction to SAS programming in the context of practical problems taken from applied statistics.

*Outcomes:*

Students obtain extensive experience with data-set manipulations, SAS procedures, and their application in contexts such as t-tests, simple and multiple regression, ANOVA, and regression

### STAT 304 Introduction to Probability (3 Credit Hours)

*Pre-requisites:* MATH 263 or MATH 263A

This course provides a calculus based introduction to probability theory, including topics such as combinatorial analysis, conditional probability, and a variety of statistical distributions.

*Course equivalencies:* X-MATH304/STAT304

*Outcomes:*

Students obtain the theoretical background in probability needed for further study in probability and statistics

### STAT 305 Introduction to Mathematical Statistics (3 Credit Hours)

This course is a continuation of STAT 304 and applies the techniques of calculus and probability to the study of advanced topics in statistics.

*Course equivalencies:* X-MATH305/STAT305

*Outcomes:*

Students obtain the theoretical background in statistics needed for graduate level work in probability and statistics

### STAT 306 Intro to Stochastic Processes (3 Credit Hours)

*Pre-requisites:* (STAT 203 or STAT 335) and (MATH 212 or MATH 266)

This course discusses topics such as finite-state Markov processes and Markov chains, classification of states, long-run behavior, continuous time processes, birth and death processes, random walks, and Brownian motion.

*Course equivalencies:* X-MATH306/STAT306

*Outcomes:*

Students will obtain a background in stochastic processes that will allow them to apply them in areas like genetics, population growth, inventory, cash management, and gambling theory

### STAT 307 Statistical Design & Analysis of Experiments (3 Credit Hours)

*Pre-requisites:* (STAT 203 or STAT 335 with a C- or better) and STAT 308 with a C- or better

This course discusses comparative experiments, analysis of variance and covariance, fixed and random effects models, and a variety of experimental design models including cross-over and split plot designs; contemporary statistical software will be used extensively.

*Outcomes:*

Students will obtain the background in statistical design and analysis of experiments needed to apply them in their own areas of interest

### STAT 308 Applied Regression Analysis (3 Credit Hours)

*Pre-requisites:* STAT 203 or 335

This course discusses simple and multiple linear regression methods, multiple comparison estimation procedures, residual analysis, and other methods for studying the aptness of a proposed regression model; contemporary statistical software will be used extensively.

*Outcomes:*

Students will obtain an extensive background in the applications of regression analysis and computer coding of regression models

### STAT 310 Categorical Data Analysis (3 Credit Hours)

*Pre-requisites:* (STAT 203 or STAT 335) and (STAT 303 or STAT 308)

An introduction to modern-day extensions of simple linear regression and ANOVA to the chi-square test including logistic regression and log-linear modelling techniques based on generalized linear models. Methods for matched-pair, small datasets, ordinal and multi-category data also discussed. This course focuses on applications using real-life data sets, and uses popular software packages.

*Outcomes:*

Students will obtain an extensive background in the applications of categorical data analysis methods

### STAT 311 Applied Survival Analysis (3 Credit Hours)

*Pre-requisites:* STAT 308 (Applied Regression Analysis)

This course focuses on methods for analyzing time-to-event data. The course will explore non-parametric methods for analyzing time-to-event data like Life tables, the Kaplan-Meier method, the Nelson-Aalen method and the log-rank test. This course will also explore semi-parametric models such as the Cox proportional hazards regression models and parametric models including exponential, Weibull and log-logistic regression model.

*Outcomes:*

Derive survival and hazard functions from an underlying distribution, calculate survival probabilities and hazard rates, compare survival probabilities and hazard ratios between two or more cohorts

**STAT 321 Computational Aspects of Modeling and Simulation (3 Credit Hours)***Pre-requisites:* STAT 308

This course uses SAS and R languages to address statistical modelling and to conduct statistical simulations to assess linear, generalized linear, nonlinear and complex models and experimental designs.

*Course equivalencies:* X-STAT356/COMP321/STAT321*Outcomes:*

Students will gain practical experience and knowledge in real-world statistical situations for which underlying theory is cumbersome or intractable

**STAT 335 Introduction to Biostatistics (3 Credit Hours)***Pre-requisites:* BIOL 102 and (MATH 132 or MATH 162 or MATH 162A (MATH 162 may be taken as a pre- or co-requisite))

For Bioinformatics Majors only: BIOL 101 and (MATH 132 or MATH 162 or MATH 162A (MATH 162 may be taken as a pre- or co-requisite)). This course provides an introduction to descriptive and inferential statistics in the biological sciences. Topics include data visualization, probability, discrete and continuous probability distributions, confidence intervals, t-tests, tests of proportions, chi-square tests, correlation, linear regression and ANOVA. Contemporary computer software will be used to apply the methods.

*Interdisciplinary Option:* Bioinformatics, Forensic Science*Course equivalencies:* X-BIOL335/STAT335*Outcomes:*

Students will be able to visualize data appropriately, to properly design a statistical experiment, to apply the correct statistical methods and properly analyze the results

**STAT 336 Advanced Biostatistics (3 Credit Hours)***Pre-requisites:* STAT 203 or STAT 335

This course overviews applied statistical methods useful in biomedical modelling chosen from: experimental design, categorical data analysis including logistic regression, nonlinear regression, bioassay and synergy modelling, multivariate methods, survival statistics, and longitudinal data analysis techniques. Modern statistical software methods will be extensively used and illustrated.

*Course equivalencies:* X-STAT336/BIOL336*Outcomes:*

Students are expected to obtain expertise in applying this course's advanced biostatistical methods application areas including knowing how best to implement these methods, interpret results, and use statistical software output

**STAT 337 Quantitative Methods in Bioinformatics (3 Credit Hours)***Pre-requisites:* STAT 203 or 335

This course develops the mathematical and statistical methods necessary to analyze and interpret genomic and proteomic data, including signal analysis, sequence alignment methods, data-base search methods useful in bioinformatics and data mining.

*Interdisciplinary Option:* Bioinformatics*Course equivalencies:* XSTAT337/BIOL337/BIOI337*Outcomes:*

Students will obtain the quantitative skills used in BLAST, including inference, stochastic processes and hidden Markov models, random walks, microarray analysis and biological sequence analysis

**STAT 338 Predictive Analytics (3 Credit Hours)***Pre-requisites:* STAT 308

Students will study methods for predicting future events and properly classifying data using both supervised and unsupervised statistical learning techniques.

*Outcomes:*

Learn methods for predicting and classifying; Model Selection; Evaluate the effectiveness and accuracy of a model/prediction

**STAT 344 Longitudinal Data Analysis and Mixed Modelling (3 Credit Hours)***Pre-requisites:* (STAT 203 or STAT 335 with a C- or better) and STAT 308 with a C- or better or permission of the instructor

Repeated measures and longitudinal data are ubiquitous in studies, research and applications. This course explores methods for repeated measures, longitudinal (time-series), and nested/hierarchical data in a detailed manner. These methods take account of correlations between measurements by allowing each individual in a study to serve as their own control.

*Outcomes:*

Students are expected to master the analysis and interpretation of repeated measures, longitudinal, mixed, and nested/hierarchical data; This includes effectively using R, SAS or other software for these data analyses

**STAT 351 Nonparametric Statistical Methods (3 Credit Hours)***Pre-requisites:* STAT 203 or STAT 335 with C- or better

This course will cover the basic principles of nonparametric methods in statistics including: one, two and K sample location methods; tests of randomness; tests of goodness of fit; nonlinear correlation; histogram; density estimation; nonparametric regression. Students should learn how to apply the nonparametric techniques in real datasets, interpret the results and draw conclusions.

**STAT 370 Data Science Consulting (3 Credit Hours)***Pre-requisites:* STAT 308

Students will work on a research project with a client acting as a consultant on the statistical and computational aspects of the project. Students are required to meet with a client, develop a strategy for addressing their problem, and present their results to the client (and their classmates).

This course satisfies the Engaged Learning requirement.

*Outcomes:*

1) Apply methods learned in classes to a address a real world problem; 2) Oral and Written presentation skills; 3) Collaboration skills

**STAT 388 Topics (1-3 Credit Hours)***Pre-requisites:* STAT 203 or STAT 335

This course covers advanced topics in statistics, such as multivariate analysis, sampling theory, non-parametric methods, decision theory, and Bayesian analysis.

*Outcomes:*

Students will obtain an understanding of an advanced topic in their major

**STAT 390 Undergraduate Seminar (1 Credit Hour)**

*Pre-requisites:* Senior Standing, including completion of MATH 304/STAT 304

The seminar will cultivate students' presentation skills through participation in and critical discussion of brief lectures on familiar and unfamiliar topics; preparation and presentation of two brief lectures by the student (one on a familiar topic from the curriculum, one on a higher level material not customarily from the curriculum); and preparation of an extended abstract summarizing the advanced material presented.

*Outcomes:*

Students will gain the ability to present material in Statistics, and their applications to a general audience

**STAT 391 Internship in Actuarial Science (1-3 Credit Hours)**

*Pre-requisites:* STAT 304 and 396; approval of the internship director

This course offers an opportunity to obtain experience in actuarial science in a professional environment; placement requires approval of the internship coordinator and acceptance by an employer. This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will obtain first hand experience doing actuarial work in a real world environment

**STAT 396 Actuarial Seminar I (1 Credit Hour)**

*Pre-requisites:* MATH 263

The seminar provides a comprehensive review of the probability topics that most commonly appear on the Actuarial Exam P. Topics covered include: axiomatic probability, combinatorial probability, conditional probability and Bayes' Theorem, independence, random variables and their various distributions, joint distributions, marginal distributions, conditional distributions of two or more random variables.

*Outcomes:*

The purpose of the seminar is to prepare students for the Actuarial Exam P; The students will also learn test-taking strategies and will have the opportunity to take practice tests

**STAT 397 Actuarial Seminar II (1 Credit Hour)**

*Pre-requisites:* MATH 263

The seminar is a continuation of STAT 396. It provides a comprehensive review of topics in probability and risk management directed toward students preparing for the Actuarial Exam P. Additional topics may include order statistics, moment-generating functions, the Central Limit Theorem and risk analysis.

*Outcomes:*

The purpose of the seminar is to prepare students for the Actuarial Exam P; The students will also learn test-taking strategies and will have the opportunity to take practice tests

**STAT 398 Independent Study (1-6 Credit Hours)**

This course allows students to engage in independent study on selected topics in statistics under the supervision of a faculty member.

*Outcomes:*

Students will obtain an understanding of an advanced topic in their major

**STAT 399H Honors Tutorial (1-3 Credit Hours)**

This course allows students in the honors program to engage in independent study of selected topics in statistics for honors credit under the supervision of a faculty member.

*Course equivalencies:* STAT399H / STAT399

*Outcomes:*

Students will obtain an understanding of an advanced topic in their major

## Theatre (THTR)

**THTR 100 Intro to Theatre Experience (3 Credit Hours)**

This course is an introductory study of the theatrical art form and its contemporary production practice. Students engage in a series of workshops and participatory creative projects.

*Knowledge Area:* Artistic Knowledge and Experience

*Outcomes:*

Students will demonstrate the ability to identify the variety of collaborating arts and artists that combine to create a work of theatre; to analyze a play script for live performance; to evaluate theatrical production; and to creatively apply knowledge of theatrical process through expressive and creative endeavors

**THTR 142 Class Voice for Beginners (3 Credit Hours)**

This class is for the student who has never had voice instruction and is interested in learning the art of performance in voice. Strongly recommended for those interested in the music major, theater or public speaking/performance

*Course equivalencies:* THTR242/THTR142/MUSC142

*Outcomes:*

Students will demonstrate understanding and application of the fundamentals of music theory, diction, and tone

**THTR 154 Introduction to Opera (3 Credit Hours)**

Survey of opera from 1600 to the present and consideration of opera as an art form which combines music and drama. Analysis of libretto structure and study of the variety of operatic styles are included.

*Course equivalencies:* X-MUSC154/THTR154

*Outcomes:*

Fundamental acquaintance with a wide selection of operatic literature and the principle eras of the European and American traditions

**THTR 203 Dramatic & Theatrical Process (3 Credit Hours)**

This course is an introduction to the basic methods of analyzing and interpreting plays representative of the modern stage (from Ibsen to the present). It explores how text analysis is, for all theatre artists, a critical first step in transferring the printed play text to the stage.

*Outcomes:*

Students will acquire the ability to analyze a play's structure and ideational content, its characters, and the potential challenges each play presents to theatre artists seeking to produce the play on the stage for a modern audience

**THTR 204 Playwriting (3 Credit Hours)**

*Pre-requisites:* THTR 100 or THTR 203

This course is an introduction to the theories and techniques of playwriting with particular emphasis on the analysis of dramatic structure.

*Interdisciplinary Option:* Film & Digital Media Studies, International Film & Media Studies

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will demonstrate an understanding of the theories and techniques of playwriting and dramatic structure through application of these skills in several playwriting exercises and the development of a one act play



**THTR 205 Theatre in Chicago (3 Credit Hours)**

This course is an introduction to live theatre in the rich Chicago theatre scene. Students will develop an appreciation and enjoyment of drama through attendance at live theatre performance and sharpen critical thinking skills through written critiques and discussion of those productions.

*Outcomes:*

Students will demonstrate knowledge of and appreciation for the range of theatrical experiences, traditions and expressions available in the City of Chicago

**THTR 209 Screenwriting (3 Credit Hours)**

This course introduces students to the process of writing for the screen. Through exercises and analysis of structure and story-telling fundamentals, writers develop a working sense of the paradigm and the art of dramatic writing. Extensive writing requirements cover all aspects of screenwriting, culminating in the development of a workable screenplay.

*Course equivalencies:* X-COMM326/THTR209/IFMS209

*Outcomes:*

Students will demonstrate an understanding of the fundamentals of screenwriting through the completion of various writing exercises and the creation of a screenplay

**THTR 227 Stage Management (3 Credit Hours)**

This course explores the role of the stage manager in theatrical production from pre-production through closing documentation.

*Outcomes:*

Students will demonstrate understanding of the responsibilities and duties of a Stage Manager to a production; develop the necessary communication and organizational skills to fulfill these responsibilities in a production experience; and be exposed to various techniques and tools used in professional stage management

**THTR 235 Figure Studio (3 Credit Hours)**

*Pre-requisites:* FNAR 113 or 114 or permission of the instructor

This is an advanced level studio course designed to introduce the human form with an emphasis on the application of drawing and wet media.

*Course equivalencies:* X-FNAR235/THTR235

*Outcomes:*

Students will be able to demonstrate an understanding of the human form and anatomy through expanded practice and articulation of both formal and artistic ideas

**THTR 241 Voice & Diction for Stage I (3 Credit Hours)**

This course focuses on the techniques of effective voice and speech production.

*Course equivalencies:* THTR 241 / THTR 241E

*Outcomes:*

Through class exercises and presentations, students will demonstrate greater knowledge and control over their breath support, tonal placement, vocal resonance, projection, clarity of articulation, Standard American vowel and consonant formation, language orchestration and coloration

**THTR 244 Voice & Diction for Stage II (3 Credit Hours)**

*Pre-requisites:* THTR 241

This course is for students who have completed Voice and Diction for the Stage I and explores advanced voice and speech techniques. Students will continue work on their individual voice/speech challenges as well as focusing on the special voice/speech skills required of the stage actor.

*Outcomes:*

Through a series of in class presentations, students will demonstrate their control over the voice, speech, and language challenges which confront the actor in the performance of non-realistic plays (Shakespeare, Restoration Comedy, Expressionism, and Absurd) and in realistic plays with heightened language

**THTR 252 Theatrical Design I (3 Credit Hours)**

This course introduces the theatre student to the fundamentals of design especially as they relate to the theatrical design of sets, lights, and costumes.

*Knowledge Area:* Artistic Knowledge and Experience

*Interdisciplinary Option:* Film & Digital Media Studies, International Film & Media Studies

*Outcomes:*

Students will demonstrate understanding of the tools a set, costume, and lighting designer use to express their ideas; improve their abilities to communicate their creative ideas; appreciate how design affects an overall theatrical experience; and be prepared to engage in practical design experience in our theatre

**THTR 261 Beginning Acting (3 Credit Hours)**

Beginning Acting is an introduction designed to provide a foundation in the critical understanding and practical application of contemporary acting theories and techniques. Content will focus on stimulating full utilization of the actor's instrument (mind, body, voice, imagination, and emotion) and using exercises and improvisations to provide a practical approach to standard acting challenges.

*Knowledge Area:* Artistic Knowledge and Experience

*Interdisciplinary Option:* Film & Digital Media Studies, International Film & Media Studies

*Outcomes:*

Students will develop skills in observation, concentration and imagination, as well as critical skills in script analysis

**THTR 267 Acting Theories & Techniques II (3 Credit Hours)**

*Pre-requisites:* THTR 266

This course builds on the skills introduced in THTR 266 and development of physical and vocal skills towards performance of character from classical texts.

*Interdisciplinary Option:* Shakespeare Studies

*Outcomes:*

Students will develop skills to research historical information for application in performance of characters and improve use of the body and voice to communicate character

**THTR 275 Teleplay Production (3 Credit Hours)**

*Pre-requisites:* THTR 266 or Permission of ICVM director

This course explores the challenges and methods of producing, acting and directing for the camera.

*Course equivalencies:* X-THTR275/IFMS275

*Outcomes:*

Students will demonstrate an understanding of the process of problem solving of producing, acting and directing for the camera through the production of on camera scenes

**THTR 300 Design Technology: Special Effects, Sound Engineer (3 Credit Hours)**

Special Effects, Sound Engineering, Moving Light Programing, Projections, Computer Aided Drafting and Automation Design

*Outcomes:*

To provide a broad overview of current state of the art stage design technologies through lectures, demonstrations, and hands-on work

**THTR 301 Costume Technology (3 Credit Hours)**

*Pre-requisites:* THTR 252 and 253

This course introduces the student to the fundamentals of costume construction including: pattern draughting, corsetry, different stitch uses, pleating and gathering techniques, tools of the shop, and basic draping.

*Outcomes:*

Students will be able to: use a basic pattern or sloper to generate their own period costumes, understand why different stitches or construction methods are used, know the tools of the shop, improve their knowledge of fabric choices, and understand the process of draping

**THTR 305 Theatre Workshop: Special Topics (3 Credit Hours)**

This course introduces the student to a style, genre or method theatre making through active application in exercises, demonstrations, games and workshops.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will develop skills in applying performance theory to practice; develop performance skills in a particular style or genre; expand a repertoire of rehearsal techniques; and develop skills to create original theatre pieces

**THTR 321 Practicum: Costumes (2 Credit Hours)**

This course is a practical application of the material studied in a variety of theatre classes, and provides hands on experience scenic or costume construction.

*Course equivalencies:* THTR321/THTR 321E/THTR321C

*Outcomes:*

Students will acquire a variety of skills necessary for producing theatre; including collaboration and organization skills and will gain appreciation for the complexity play production

**THTR 321C Practicum: Costumes (2 Credit Hours)**

This course is a practical application of the material studied in a variety of theatre classes, and provides hands on experience scenic or costume construction.

*Course equivalencies:* THTR321/THTR 321E/THTR321C

*Outcomes:*

Students will acquire a variety of skills necessary for producing theatre; including collaboration and organization skills and will gain appreciation for the complexity play production

**THTR 321E Practicum: Electrics (2 Credit Hours)**

This course is a practical application of the material studied in a variety of theatre classes, and provides hands on experience with electrics.

*Course equivalencies:* THTR321/THTR 321E/THTR321C

*Outcomes:*

Students will acquire a variety of skills necessary for producing theatre; including collaboration and organization skills and will gain appreciation for the complexity play production

**THTR 321P Theatre Practicum: Production Staff (1 Credit Hour)**

*Pre-requisites:* Permission of the Department

This course is a practical application of the material studied in a variety of theatre classes, and provides hands on experience as production staff.

*Outcomes:*

Students will acquire a variety of skills necessary for producing theatre; including collaboration and organization skills and will gain appreciation for the complexity play production

**THTR 321R Theatre Practicum: Running Crew (1 Credit Hour)**

This course is a practical application of the material studied in a variety of theatre classes, and provides hands on experience with a running crew.

*Outcomes:*

Students will acquire a variety of skills necessary for producing theatre; including collaboration and organization skills and will gain appreciation for the complexity play production

**THTR 321S Practicum: Scenic (2 Credit Hours)**

Theatre Practicum (Scenery) is one of four experiential learning courses that will provide the student with an opportunity for practical application of varied techniques and theories in planning and construction of theatrical scenery and properties. The specific topics and skills the course will focus on vary from semester to semester as per the demands of each design.

**THTR 323 Rehearsal & Performance (1-12 Credit Hours)**

*Pre-requisites:* permission of the instructor

This course allows students to receive credit for stage managing, acting in or directing a campus production during the semester. Completion and submission of a journal or paper is required. Course may be repeated up to 12 times for a total of no more than 12 credit hours.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will gain performance experience, assess personal artistic growth, and reflect on application of performance theory and technique covered in coursework to production practice

**THTR 324 Applied Design and Management (1-3 Credit Hours)**

This independent study course supports student scene, costume, lighting, make-up, sound or property designers and stage managers selected by the faculty to design or manage for university productions. Department Permission Required.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will deepen their understanding of a design process via first hand experience in our theatre

**THTR 324D Applied Design (1-3 Credit Hours)**

This class will teach Stage Design techniques in practice in production through mentorship. Students will design productions or assist faculty designers.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will accomplish goals in Communication, Collaboration and Conception; Design, Application and Reflection

**THTR 324M Applied Management (1-3 Credit Hours)**

This class will teach Stage Management techniques in practice in production through mentorship. Students will Stage Manage or Assistant Stage Manage productions.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will accomplish goals in Communication, Collaboration and Conception; Application; Reflection

**THTR 325 Costume Design I (3 Credit Hours)**

This course exposes students in the planning, design and execution of costumes for the stage through a variety of costume design projects throughout historical periods and stylistic genres.

*Outcomes:*

Students will demonstrate understanding of how a costume designer makes choices based on color, silhouette, line, texture, historical research, personal style, collaborative input, and intended response from the audience through application on projects

**THTR 326 Costume Design II (3 Credit Hours)**

*Pre-requisites:* THTR 325

This course continues the project work from Costume Design I, exploring more detail in style and historical accuracy.

*Outcomes:*

Students will demonstrate the ability to prepare a costume design in any genre or period

**THTR 327 Theatre Management and Arts Leadership (3 Credit Hours)**

*Pre-requisites:* THTR 100 or THTR 203

This course is an introduction to the economic, managerial and administrative aspects of American Theatre and performing arts in general, with an emphasis on the non-for profit Chicago and Regional Theatre Industry and practical and contemporary aspects of the field. Any student looking to work in performing arts leadership or administration or start their own company will find this course valuable.

*Outcomes:*

Students demonstrate knowledge of the evolution of arts organizations and theatrical management; practical management tools; the economic challenges of producing theatre; production trends in the industry; the theories and processes behind planning and decision making; and students will gain appreciation for the importance of management in theatrical productions and organizations

**THTR 328 Lighting Design I (3 Credit Hours)**

This course is an introduction to the principles of theatrical lighting design and the process by which a designer makes choices based on script analysis, period research and collaborative interaction.

*Interdisciplinary Option:* Film & Digital Media Studies, International Film & Media Studies

*Course equivalencies:* X-THTR328/ICVM328/IFMS328

*Outcomes:*

The student will develop a process by which to approach lighting design as well as an understanding of instrumentation and control of stage lighting

**THTR 329 Make-up and Mask Design (3 Credit Hours)**

This course involves a hands-on study of make-up techniques especially as they relate to basic theatrical needs, character make-up, and special effects make-up.

*Outcomes:*

Students will be prepared to use make-up effectively in the theatre either as performers or beginning make-up designers, and to understand the variety of techniques and tools a make-up designer has available

**THTR 330 Lighting Design II (3 Credit Hours)**

This course is a continuation of the study of the principles of theatrical lighting design and the process by which a designer makes choices based on script analysis, period research and collaborative interaction

*Outcomes:*

The student will develop a process by which to approach lighting design as well as an understanding of instrumentation and control of stage lighting

**THTR 331 Movement: Theories & Technique I (3 Credit Hours)**

This course examines the relationship between the kinetic and kinesthetic experiences and personality development.

*Course equivalencies:* THTR 331 / THTR 331E

*Outcomes:*

Through a series of exercises, students will demonstrate an awareness of one's physical mannerisms, increased confidence in one's physical presence on stage and demonstrate physical transformation into character

**THTR 335 London Theatre Experience (3 Credit Hours)**

This course is a month long study abroad experience which allows the student to intensively study British theatre through excursions within London, special guest lecturers, walking tours, workshops, gallery and museum visits, and attendance of at least eight plays.

*Outcomes:*

Students will gain an understanding of the importance of London theatre and its influence on the rest of the world's theatre

**THTR 336 Stage Combat for Actors (3 Credit Hours)**

This class will teach Stage Combat techniques that will allow actors to perform fights effectively and safely. Students will work towards a final performance involving all students in a story told through violence.

*Outcomes:*

Be able to perform a choreographed stage combat sequence effectively and safely at full speed and before a live audience

**THTR 341 Studies in Dramatic Form (3 Credit Hours)**

This course studies the various structural forms drama has taken from the Greeks to the present. In particular it looks at tragedy, comedy, and melodrama and seeks to find their roots in the cultures which nurtured them.

*Outcomes:*

the student will be able to distinguish various dramatic forms as well as their roots in their cultures, and will have a vocabulary with which to discuss and evaluate them

**THTR 344 Dialects for the Stage (3 Credit Hours)**

This course provide instruction in the dialects most frequently used by the American actor and to explore a systematic approach to dialect acquisition which will serve the student in further independent dialect study.

*Outcomes:*

Students will acquire a working knowledge of the International Phonetic Alphabet, an understanding of the historical and cultural background of each dialect, skills in applying dialects to dramatic texts, and an introduction to the work of the dialect coach in the theatre

**THTR 345 Drafting for the Theatre (3 Credit Hours)**

This course introduces the student to basic theatrical drafting techniques and mediums.

*Outcomes:*

Students will demonstrate the ability to draft ground plan and section, scenic elevations as well as a light plot

**THTR 346 Scenic Art: Color Elevation to Scene Painting (3 Credit Hours)**

This course is introduces the student to basic scene painting techniques for the theatre.

*Outcomes:*

Students will demonstrate understanding of the role of the scenic artist in relationship to the scenic designer, develop basic level skills required to execute the designer's intention or vision and execute a paint elevation

**THTR 347 Children's Theatre (3 Credit Hours)**

This course is an introduction to the basic principles and techniques of producing theatre for young audiences. Methods of working with child performers will be applied to in a laboratory setting with children.

*Outcomes:*

Students will identify the age-level characteristics of child audiences and appropriate script choices for each level

**THTR 348 Theatre Pedagogy (3 Credit Hours)**

This course explores the process of engaging children with teaching artistry techniques such as theatre acting games, design, and technical theatre as a means towards self-expression, personal development and content learning. This course will utilize planning tools and teach facilitation techniques that can be utilized across artistic practices. Laboratory experiences working with children are provided.

This course satisfies the Engaged Learning requirement.

*Course equivalencies:* THTR348/CIEPM95

*Outcomes:*

Students will articulate the differences and similarities between theatre for children and creative dramatics disciplines, develop age appropriate materials and exercises, identify appropriate facilitating methods and techniques and apply these techniques in a laboratory setting

**THTR 352 Theatrical Design II (3 Credit Hours)**

*Pre-requisites:* THTR 252

An Intermediate course of study to explore the process of Theatre Design (Scenic, Costumes, and Lighting.) Collaboration and storytelling thru visual means is the key to understanding text-based theatre. Each individual will have the opportunity to express ideas in class discussions, written critical analysis and execution of design while enhancing the process of design

*Outcomes:*

The purpose of this course is to develop intermediate design skills building upon those learned THTR 252

**THTR 353 Theatrical Design III (3 Credit Hours)**

*Pre-requisites:* THTR 252 and THTR 352

This team taught course will alternate between full group discussions on topics valuable to all disciplines and small group instruction on specific techniques within sub-disciplines. Students will declare a discipline at beginning of the course. Students can repeat the course to pursue a second discipline. Students will be placed in teams of complimentary disciplines.

**THTR 354 Storytelling Design: Puppetry, Properties and Toy (3 Credit Hours)**

*Pre-requisites:* THTR 252, and either THTR 261 or 266

Puppetry is one of the oldest forms of storytelling. This course is intended to allow the student to several explore different forms of storytelling through the use of puppets and puppetry. The course will explore shadow puppetry, toy theatre and hand & rod puppetry. Each student will develop, as a member of a series of "production teams", a brief performance piece base.

*Outcomes:*

Students will gain skill in design through the storytelling techniques of puppetry and toy theatre

**THTR 355 Sound Design I (3 Credit Hours)**

*Pre-requisites:* THTR 252

This course is an introduction to the principles of sound design with and emphasis on theatrical performance. The student will develop a process for approaching sound design, and for expressing their concept and intention in a collaborative and presentation setting.

*Outcomes:*

The student will develop a process by which to approach sound design as well as an understanding of equipment and control of theatrical sound production

**THTR 356 Sound Design II (3 Credit Hours)**

*Pre-requisites:* THTR 355 Sound Design I

This course is a continuation of work begun in THTR 355: Sound Design I. The student will develop a process for approaching sound design, and for expressing their concept and intention in a collaborative and presentation setting.

*Outcomes:*

The student will develop a process by which to approach sound design as well as an understanding of equipment and control of theatrical sound production

**THTR 364 Theatre History and Literature I (3 Credit Hours)**

*Pre-requisites:* THTR 203

Theatre History and Literature is a part of a four-course sequence that examines works of dramatic literature in their historical context. Theatre History and Literature I focuses on the development of theatre from Greek through Jacobean and Caroline periods. Learning They will also apply research to creative practice.

*Interdisciplinary Option:* Shakespeare Studies

*Outcomes:*

Students will identify and describe events, practitioners, practices, theatre architecture and significant plays within their historical context

**THTR 365 Theatre History and Literature II (3 Credit Hours)**

*Pre-requisites:* THTR 203

Theatre History and Literature is a four course sequence that examines works of dramatic literature in their historical context. Theatre History and Literature II focuses on the development of theatre from the 16th through 19th centuries. This class is Writing Intensive. Learning They will also apply research to creative practice.

*Interdisciplinary Option:* European Studies, Shakespeare Studies

*Outcomes:*

Students will identify and describe events, practitioners, practices, theatre architecture and significant plays within their historical context

**THTR 366 Theatre History and Literature III (3 Credit Hours)**

*Pre-requisites:* THTR 203

Theatre History and Literature is a part of a four-course sequence that examines works of dramatic literature in their historical context. Theatre History and Literature III focuses on the development of theatre from the 19th through mid-20th centuries. This class is writing intensive. Learning They will also apply research to creative practice.

*Interdisciplinary Option:* European Studies

*Outcomes:*

Students will identify and describe events, practitioners, practices, theatre architecture and significant plays within their historical context



**THTR 367 Theatre History and Literature IV (3 Credit Hours)***Pre-requisites:* THTR 203

Theatre History and Literature is a four-course sequence that examines works of dramatic literature in their historical context. Theatre History and Literature IV focuses on contemporary and post-modern theatre. Learning They will also apply research to creative practice.

*Outcomes:*

Students will identify and describe events, practitioners, practices, theatre architecture and significant plays within their historical context

**THTR 368 Acting Theories and Techniques III (3 Credit Hours)**

This course continues the work of THTR 267, based on the needs of the students, using plays by modern and contemporary playwrights as the primary material.

*Outcomes:*

Students will be able to demonstrate an understanding of how to interpret and effectively perform plays written since the early 19th century up to present day

**THTR 369 Acting Theories and Techniques IV (3 Credit Hours)***Pre-requisites:* THTR 267

This course continues the work of THTR 368 based on the needs of the students. Performance material is at discretion of the instructor.

*Outcomes:*

Students will further develop performance skills and workshop areas of weakness based on individual needs and interests

**THTR 371 Stage Design I (3 Credit Hours)***Pre-requisites:* THTR 252

This course introduces the student to the role of the scenic designer and the process of script analysis, period research and graphic communication utilized to develop a scenic design with a focus on how collaborative interaction may inform those choices.

*Outcomes:*

The student will develop a systematic approach to the scenic designer's creative process and demonstrate the ability to communicate a scenic idea through the practice of sketches, ground plans and scale models

**THTR 372 Stage Design II (3 Credit Hours)***Pre-requisites:* THTR 371

This is an advanced course in the development of the scenic designer's creative process, skills, and techniques.

*Outcomes:*

Student will further develop the skills required of a scenic designer and develop a diverse design portfolio

**THTR 375 Play Direction: Theater Capstone (3 Credit Hours)***Pre-requisites:* THTR 203, 252, 266, 267, 364, 365, 366 and 367, or 375 may be taken concurrently with THTR 367

This course explores the fundamental principles of play direction. Students are required to direct a monologue, select a play script for production, develop a production concept, stage a fifteen-minute scene, and develop a detailed Director's Notebook.

*Outcomes:*

Students acquire the skills to identify the basic elements of stage direction; analyze a play script from the point of view of the director; articulate and defend a production concept; develop actor-coaching skills; and identify elements of direction that communicate story, theme, and concept

**THTR 376 Advanced Play Direction (3 Credit Hours)***Pre-requisites:* THTR 375

This intensive lecture-performance course will expand on principles and practices of play direction covered in THTR 375, with particular emphasis on staging, spatial dynamics, and collaboration with design artists.

*Outcomes:*

Students acquire the skills to place current trends in Directing in historical and theoretical context; articulate a personal artistic mission in relation to the Directing craft; articulate and defend a concept for production; and translate conflict, story, and theme to practical application in ground-plans, staging, actor-coaching, and design choices

**THTR 377 Audition Seminar (3 Credit Hours)***Pre-requisites:* THTR 368

This course focuses on preparing to audition for professional theatre, commercial and film with particular emphasis on audition for Chicago Theatre.

*Outcomes:*

Students will demonstrate the ability to engage an auditor through an audition, demonstrate the ability to score and read copy truthfully, develop a head shot and resume and develop a personal repertoire of suitable audition pieces

**THTR 393 Shakespeare Seminar (3 Credit Hours)***Pre-requisites:* ENGL 326, THTR 365, and 9 credit hours for electives in the minor

This course provides a capstone seminar experience for students, focusing on how Shakespeare has been interpreted on the page and the stage. It will culminate with a thesis project, either scholarly or creative, that will serve as the capstone for the Shakespeare Studies Minor.

*Interdisciplinary Option:* Shakespeare Studies*Outcomes:*

Students will engage in advanced scholarly work in Shakespearean Studies towards development of a scholarly thesis or significant project

**THTR 394 Internship in Theatre (1-6 Credit Hours)**

Theatre students complete a semester long internship providing an opportunity to use their technical, research or organizations skills in a professional setting. Students must complete and reflect upon 50 hours of internship experience per credit hour that is pre-approved by the Department of Fine and Performing Arts. Department Permission Required. No more than 6 credit hours of Internship of Fieldwork may be applied to the major.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students gain professional experience working at a theatrical organization while reflecting on their work experience and applying theories and techniques acquired from their theatre courses

**THTR 395 Seminar in Theatre (3 Credit Hours)**

Subject and requirements of this course will be determined by needs and interests of the students.

*Outcomes:*

To be determined by the instructor in consultation with the chairperson

**THTR 396 Seminar in Theatre II (3 Credit Hours)**

Subject and requirements to be determined by needs and interests of the students.

*Outcomes:*

To be determined by the instructor in consultation with the chairperson

**THTR 397 Fieldwork in Chicago - Theatre (1-6 Credit Hours)**

Variable credit (1-6 hours) given for performances or projects undertaken with professional theatre organizations outside the university. Students keep a journal and write evaluative papers. Permission of the Department of Fine and Performing Arts Required. Repeatable for up to 6 credit hours, however no more than 6 credit hours of Internship or Fieldwork can be applied towards the major.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Specific outcomes and credit hours assigned to be determined by the student in consultation with the Director of Theatre and the project supervisor

**THTR 399 Independent Study (3 Credit Hours)**

*Pre-requisites:* written permission of chairperson

Independent study projects may be of various kinds and in any recognized area of the theatre arts. Such projects should be done under the close supervision of a theatre faculty member.

*Outcomes:*

To be determined by the student in consultation with the chairperson and theatre faculty supervisor

## Theology (THEO)

**THEO 100 Christian Theology (3 Credit Hours)**

This course is an introduction to reflection on and analysis of the Christian theological tradition.

*Knowledge Area:* Foundational Theological Knowledge

*Interdisciplinary Option:* Catholic Studies, European Studies

*Course equivalencies:* ACTHE 101 / THEO 100

*Outcomes:*

Students will be able to demonstrate understanding of the tasks of Christian theology in its efforts to understand the human situation from the perspective of faith, various challenges to theology in the contemporary world, and will focus on one or more current theological issues

**THEO 107 Introduction to Religious Studies (3 Credit Hours)**

This course is an introduction to the contemporary field of religious studies, focusing on both the theoretical investigations of religious traditions, as well as on the study of selected religious texts and practices (such as creation stories, sacred biographies, sacred scriptures of a religious tradition(s) rituals, ritual taboos, religiously motivated behaviors.

*Knowledge Area:* Foundational Theological Knowledge

*Interdisciplinary Option:* Interreligious and Interfaith Studies

*Course equivalencies:* THEO170 / THEO270 / ACTHE 107

*Outcomes:*

Students will be able to analyze and interpret various ways in which religious traditions intersect with contemporary issues

**THEO 114 Introduction to the Qur'an (3 Credit Hours)**

This course provides an introduction to the central Islamic scripture, the Qur'an in terms of its main features and themes, and as a basis for the theological and ethical teachings of Islam, employing both classical interpretive traditions and contemporary academic approaches. Outcome: Students will be able to demonstrate and understanding of the nature of the main Islamic scripture, the Qur'an, and its influence on Muslim beliefs, ethical understandings, and social and religious practices.

*Knowledge Area:* Tier 2 Theological Knowledge

*Interdisciplinary Option:* African Studies and the African Diaspora, Black World Studies, Global Studies, Islamic World Studies

*Course equivalencies:* THEO114INTS114BWS114IWS114

**THEO 167 Religions in China (3 Credit Hours)**

This course is a survey of various religions in China that may include, not only Confucianism and Taoism, but also Buddhism, Christianity, Islam, Judaism, Zoroastrianism, Manicheism and popular or "folk" religion. The course will consider the function of these various religions in the development of Chinese society and their significance in Chinese civilization from ancient mythology to contemporary practices and developments."

*Interdisciplinary Option:* Asian Studies, Global Studies

*Course equivalencies:* X-THEO167/ASIA167/INTS167

*Outcomes:*

Students will be able to demonstrate knowledge of the beliefs, practices, and institutions in varied contexts and historical periods in China, of various religions, both indigenous and "foreign

**THEO 168 Sacred Texts of China (3 Credit Hours)**

Through the study of primary sacred texts of China (in translation), this class will provide a basic understanding of Chinese thought and its historical development. Interconnections among the various periods and different schools of Chinese philosophy such as Confucianism, Taoism, Buddhism and Neo-Confucianism will be demonstrated and discussed from ancient through the medieval and modern periods.

*Interdisciplinary Option:* Asian Studies, Global Studies

*Course equivalencies:* X-THEO168/ASIA168/INTS168

*Outcomes:*

Students will be able to demonstrate knowledge of the major Chinese sacred texts and teachings of various religious and philosophical traditions, and how they developed and interacted historically

**THEO 169 Taoism (3 Credit Hours)**

Students will study the history and main ideas and practices of Taoism, meet the sages who wrote the Taoist texts, be introduced to the various schools of Taoist philosophy, and get a feel for what it means to practice Taoism today. The course will illustrate how religious Taoism established a relationship with Confucian thought and practice as well as how at each stage of its historical development, Taoism exerted a profound influence on Chinese politics, economy, culture, art, natural sciences, and social life.

*Knowledge Area:* Tier 2 Theological Knowledge

*Interdisciplinary Option:* Asian Studies, Chinese Language & Culture, Global Studies

*Course equivalencies:* X-THEO169/ASIA169/INTS169

*Outcomes:*

Students will be able to demonstrate knowledge of philosophical and religious Taoist beliefs, practices, and institutions in varied contexts and historical periods

**THEO 185 Christian Ethics (3 Credit Hours)**

Introduction to Christian Ethics is a core course that explores the major sources, methods, and insights of Christian social and theological ethics. Particular attention is given to Roman Catholic thought. The course will concentrate on the foundational sources in Christian ethics and examine the moral significance of major theological themes and affirmations.

*Knowledge Area:* Ethics

*Outcomes:*

Students will identify the major sources of Christian ethics (Scripture, Church tradition, philosophy, the social and human sciences, and human experience), and gain practice in identifying how different thinkers use, interpret, and prioritize these sources

**THEO 186 Global Religious Ethics (3 Credit Hours)**

Religious Ethics explores fundamental moral sources and methods in Christian ethics in dialogue with the ethical understandings of at least one other religious tradition, and with special attention to Roman Catholic thought. In doing so, it explores moral issues faced by individuals and communities from theological perspectives, particularly mindful of how the economic, political and cultural structures in a religiously plural world affect those issues.

*Knowledge Area:* Ethics

*Interdisciplinary Option:* Peace, Justice, and Conflict Studies

*Outcomes:*

In this course, students will explore and compare the ethical understandings of Christianity and at least one other religious tradition; With respect to each tradition, students will learn about the foundational sources, doctrines and questions that guide its ethical thinking

**THEO 190 Loyola's Mission: Ignatian Traditions (3 Credit Hours)**

The course introduces students to LUC's mission through theological reflection on the main themes of the Transformative Education mission-statement: spirituality and faith, interlinked human knowing, moral compass, civic and environmental responsibility.

*Course equivalencies:* THEO190 / THEO290

*Outcomes:*

Integration into the LUC community, ethos, and vision

**THEO 192 Topics in Moral Problems (3 Credit Hours)**

A critical examination of one or more areas of moral concern from the viewpoint of Christian ethics. May include: medical ethics, professional ethics, social justice issues, racism, environmental concerns, and war and peace studies.

*Course equivalencies:* THEO192 / THEO292

*Outcomes:*

Students will be able to demonstrate understanding of ethical comprehension, analysis, and decision-making within the context of select theological and religious traditions

**THEO 203 Social Justice and Injustice (3 Credit Hours)**

*Pre-requisites:* THEO 100, THEO 107, or equivalent; please check requirements for declared majors/minors for exceptions

The course introduces students to Catholic and Protestant approaches to social justice. Students will also study theories and analyses of social injustice. Students will study specific instances of social injustice (gender, race, and class). It will increase student awareness of diversity, in the United States and globally.

*Knowledge Area:* Tier 2 Theological Knowledge

*Interdisciplinary Option:* Bioethics, Peace, Justice, and Conflict Studies, Race and Ethnicity

*Outcomes:*

Summarize relevant social, economic, policy history/context that related to current sites of injustice related to racial-ethnic inequalities, economic inequality, immigration status, healthcare, and sex/gender inequality; Distinguish among distinct theories of justice in both theological and philosophical thought; Describe the moral challenges posed by injustice; Relate key ideas, traditions, & practices in Christian theological, philosophical, and other religious thought that may help individuals and societies move closer to approximating justice in society/world

**THEO 204 Religious Ethics and the Ecological Crisis (3 Credit Hours)**

*Pre-requisites:* THEO 100, THEO 107, or equivalent; please check requirements for declared majors/minors for exceptions

Advances in technology and industry confront us with unprecedented abilities for altering long standing climate patterns. These capacities challenge many traditional religious and ethical assumptions about humanity and our relationship to the nonhuman world. We will examine the resources that religious traditions of the world offer for promoting ecological responsibility.

*Knowledge Area:* Tier 2 Theological Knowledge

*Interdisciplinary Option:* Bioethics, Catholic Studies, Peace, Justice, and Conflict Studies

*Outcomes:*

students will be able to: \*Summarize relevant history related to scientific, policy & political data and decisions \*Describe central scientific and ethical challenges posed by the climate crisis \*Relate key ideas, traditions, & practices in Christian theological, philosophical, and other religious thought that may help address this crisis

**THEO 231 Hebrew Bible/Old Testament (3 Credit Hours)**

*Pre-requisites:* THEO 100, THEO 107, or equivalent; please check requirements for declared majors/minors for exceptions

This course provides an introduction to the Old Testament / Tanakh (Hebrew Scriptures).

*Knowledge Area:* Tier 2 Theological Knowledge

*Interdisciplinary Option:* Islamic World Studies

*Outcomes:*

Students will be able to demonstrate understanding of central texts, beliefs, ethical understanding, and practices of Judaism and Christianity

**THEO 232 New Testament (3 Credit Hours)**

*Pre-requisites:* THEO 100 or equivalent; please check requirements for declared majors/minors for exceptions

This course is an introduction to the historical and theological reading of the various documents of early Christianity known as the New Testament.

*Knowledge Area:* Tier 2 Theological Knowledge

*Interdisciplinary Option:* Catholic Studies

*Course equivalencies:* X-THEO112/CATH112

*Outcomes:*

Students will be able to demonstrate understanding of the literary genres found in the New Testament and explain why the recognition of genre is essential to the interpretation of the New Testament, as well as the importance of how the New Testament documents have reached their present state

**THEO 265 Sacraments and the Christian Imagination (3 Credit Hours)**

*Pre-requisites:* THEO 100 or equivalent; please check requirements for declared majors/minors for exceptions

This course studies the realities of Christian faith life as expressed and celebrated in the concrete rituals of the Christian communities.

*Knowledge Area:* Tier 2 Theological Knowledge

*Interdisciplinary Option:* Catholic Studies

*Course equivalencies:* X-THEO265/CATH106

*Outcomes:*

Students will be able to demonstrate how a sacramental system of aesthetics is often embedded in cultural artifacts such as poetry, music, painting, literature, and film, and recognize and interpret the impact of history and cultures on the development of Christian doctrine and practices

**THEO 266 Church & Global Cultures (3 Credit Hours)**

*Pre-requisites:* THEO 100, THEO 107, or equivalent; please check requirements for declared majors/minors for exceptions

This course provides an introduction to ways in which the Christian churches, and primarily the Roman Catholic Church, understand and enact their identity in relation to the secular world of culture, economics, and politics, both nationally and globally.

*Knowledge Area:* Tier 2 Theological Knowledge

*Interdisciplinary Option:* Catholic Studies, Italian Studies

*Course equivalencies:* X-THEO105/CATH105

*Outcomes:*

Students will be able to analyze and interpret contrasting Christian understandings of the notion of original sin, and demonstrate knowledge, with attention to historical development, of the central texts, beliefs, ethical understandings, and practices of at least one religious tradition

**THEO 267 Jesus Christ (3 Credit Hours)**

*Pre-requisites:* THEO 100 or equivalent; please check requirements for declared majors/minors for exceptions

This course examines the life of Jesus Christ, utilizing the Gospels, the writings of Paul and other biblical authors, the early ecumenical councils, and the history of church doctrine, including contemporary scholarship.

*Knowledge Area:* Tier 2 Theological Knowledge

*Interdisciplinary Option:* Catholic Studies

*Course equivalencies:* THEO104/CATH104

*Outcomes:*

This course examines the life of Jesus Christ, utilizing the Gospels, the writings of Paul and other biblical authors, the early ecumenical councils, and the history of church doctrine, including contemporary scholarship

**THEO 272 Judaism (3 Credit Hours)**

*Pre-requisites:* THEO 100, THEO 107, or equivalent; please check requirements for declared majors/minors for exceptions

This course provides an introduction to Judaism.

*Knowledge Area:* Tier 2 Theological Knowledge

*Interdisciplinary Option:* Global Studies, Islamic World Studies

*Course equivalencies:* THEO172/THEO272/INTS172

*Outcomes:*

Students will be able to name and discuss some of the most important Jewish scriptures, articulate the general outline of the historical evolution of Judaism, and define and discuss key concepts, terms, values, and religious practices foundational to Judaism

**THEO 276 Black World Religion (3 Credit Hours)**

*Pre-requisites:* THEO 100, THEO 107, or equivalent; please check requirements for declared majors/minors for exceptions

This course explores the revelatory manner in which the divine comes to unique presence and expression among African peoples throughout human history. It will examine the religious experiences and traditions of: Africa's ancient Nile valley civilizations, long recognized as cradling the world's spiritual and philosophical wisdom and as influencing the formative development of Judaism, Christianity, and Islam.

*Interdisciplinary Option:* African Studies and the African Diaspora, Black World Studies, Interreligious and Interfaith Studies, African Studies and the African Diaspora, Black World Studies, Interreligious and Interfaith Studies

*Course equivalencies:* THEO176 / THEO276/BWS288

*Outcomes:*

Students will demonstrate their knowledge of African peoples' religious experiences within their various historical and cultural contexts

**THEO 278 Religion & Gender (3 Credit Hours)**

*Pre-requisites:* THEO 100, THEO 107, or equivalent; please check requirements for declared majors/minors for exceptions

This course will study the role of women in at least one (if not more) of the major world religious traditions.

*Knowledge Area:* Tier 2 Theological Knowledge

*Interdisciplinary Option:* Women & Gender Studies

*Course equivalencies:* THEO178/THEO278/WSGS278

*Outcomes:*

Students will be able to demonstrate understanding of the influence of religion on gender roles, and how women in the contemporary world are reinterpreting their religious traditions

**THEO 279 Roman Catholicism (3 Credit Hours)**

*Pre-requisites:* THEO 100 or equivalent; please check requirements for declared majors/minors for exceptions

This course provides an introduction to Roman Catholicism.

*Knowledge Area:* Tier 2 Theological Knowledge

*Interdisciplinary Option:* Catholic Studies, Italian Studies

*Course equivalencies:* THEO179/THEO279/CATH179

*Outcomes:*

Students will be able to demonstrate understanding of the most important Roman Catholic beliefs, the historical evolution of Roman Catholicism, the key Roman Catholic concepts, terms, values, and religious practices, and the main lines of current Roman Catholic identity in today's world

**THEO 280 Religion & Interdisciplinary Studies (3 Credit Hours)**

Course topics will rotate to incorporate the study of religion in a variety of other disciplines. Focus will be on the influence or application of religious teachings and traditions in the fields of healthcare, politics, education, etc.

*Knowledge Area:* Tier 2 Theological Knowledge

*Course equivalencies:* THEO180 / THEO280

*Outcomes:*

Describe the ethical implications of the religious beliefs and traditions of at least one religion for the primary field of study

**THEO 281 Christianity Through Time (3 Credit Hours)**

*Pre-requisites:* THEO 100, THEO 107, or equivalent; please check requirements for declared majors/minors for exceptions

The course is a survey course in the history of Christian thought. Not a course in Church history, this is a course whose primary goal is to investigate the major interactions between Christian thought and practice and the cultures that it has been a part of in its two thousand year history.

*Knowledge Area:* Tier 2 Theological Knowledge

*Interdisciplinary Option:* Catholic Studies, German Studies, Medieval Studies

*Course equivalencies:* THEO181/ THEO281/CATH181

*Outcomes:*

Students will learn to analyze and interpret religious texts, beliefs and practices using standard scholarly methods and tools



**THEO 282 Hinduism (3 Credit Hours)**

*Pre-requisites:* THEO 100, THEO 107, or equivalent; please check requirements for declared majors/minors for exceptions

This course provides an introduction to Hinduism.

*Knowledge Area:* Tier 2 Theological Knowledge

*Interdisciplinary Option:* Asian Studies, Global Studies

*Course equivalencies:* THEO196/ASIA196/INTS294

*Outcomes:*

Students will be able to demonstrate understanding of the most important Hindu scriptures, the general outline of the historical evolution of Hinduism, the key Hindu concepts, terms, values, and religious practices, and the basic narratives and imagery of Hinduism

**THEO 293 Christian Marriage (3 Credit Hours)**

*Pre-requisites:* THEO 100, THEO 107, or equivalent; please check requirements for declared majors/minors for exceptions

This course examines the Christian understanding of marriage.

*Knowledge Area:* Tier 2 Theological Knowledge

*Interdisciplinary Option:* Catholic Studies

*Course equivalencies:* THEO193/THEO293/CATH193

*Outcomes:*

Students will be able to demonstrate understanding of historical & ethical principles used to evaluate particular issues relevant to the understanding of the Christian tradition of marriage

**THEO 295 Islam (3 Credit Hours)**

*Pre-requisites:* THEO 100, THEO 107, or equivalent; please check requirements for declared majors/minors for exceptions

This course will provide an introduction to Islam.

*Knowledge Area:* Tier 2 Theological Knowledge

*Interdisciplinary Option:* Arabic Language and Culture, Asian Studies, Global Studies, Islamic World Studies, Arabic Language and Culture, Asian Studies, Global Studies, Islamic World Studies

*Course equivalencies:* THEO195/ASIA195/INTS295/IWS195

*Outcomes:*

Students will be able to demonstrate understanding of the most important Muslim scriptures, the general outline of the historical evolution of Islam, the key Islamic concepts, terms, values, and religious practices, and the diversity within Islam

**THEO 297 Buddhism (3 Credit Hours)**

*Pre-requisites:* THEO 100, THEO 107, or equivalent; please check requirements for declared majors/minors for exceptions

This course provides an introduction to Buddhism.

*Knowledge Area:* Tier 2 Theological Knowledge

*Interdisciplinary Option:* Asian Studies, Global Studies, Japanese Language and Culture

*Course equivalencies:* THEO197/ASIA197/INTS297

*Outcomes:*

Students will be able to demonstrate understanding of the most important Buddhist scriptures, the general outline of the historical evolution of Buddhism, including its different major branches, and the key Buddhist concepts, terms, values, and religious practices

**THEO 299 Religions of Asia (3 Credit Hours)**

*Pre-requisites:* THEO 100, THEO 107, or equivalent; please check requirements for declared majors/minors for exceptions

An introductory survey of selected teachings, institutions, and practices of the great religious traditions of South Asia and East Asia placed in historical context.

*Interdisciplinary Option:* Asian Studies, Global Studies

This course satisfies the Engaged Learning requirement.

*Course equivalencies:* X-THEO199/ASIA199/INTS199

*Outcomes:*

Students will be able to demonstrate understanding of the central texts, beliefs, ethical understandings, and practices of at least three Asian religions

**THEO 302 Wisdom Literature and Psalms (3 Credit Hours)**

*Pre-requisites:* THEO 111

A study of the wisdom literature of the Old Testament, attention to the nature of the wisdom tradition in Israel; study of the Psalms as the prayer of Israel.

*Outcomes:*

Students will be able to demonstrate understanding of central texts, beliefs, ethical understanding, and practices of Judaism and Christianity

**THEO 303 Pentateuch (3 Credit Hours)**

*Pre-requisites:* THEO 111

The literary structure of the first five books of the Bible.

*Outcomes:*

Students will be able to demonstrate understanding of central texts, beliefs, ethical understanding, and practices of Judaism and Christianity

**THEO 304 Israel Conquest to Exile (3 Credit Hours)**

*Pre-requisites:* THEO 111

A study of the so-called historical books of the Bible (Joshua, Judges, Samuel, Kings) with attention to the history of Israel from conquest to exile.

*Outcomes:*

Students will be able to demonstrate understanding of central texts, beliefs, ethical understanding, and practices of Judaism and Christianity

**THEO 308 Biblical Hebrew I (3 Credit Hours)**

The sound, forms and grammar of biblical language. Selected readings from the Old Testament.

*Course equivalencies:* X-THEO308/CLST101

*Outcomes:*

Students will demonstrate an understanding of Biblical Hebrew

**THEO 309 Biblical Hebrew II (3 Credit Hours)**

*Pre-requisites:* THEO 308

Further study of biblical language. Selected readings from the Old Testament.

*Course equivalencies:* X-THEO309/CLST102

*Outcomes:*

Students will demonstrate an understanding of Biblical Hebrew

**THEO 311 The Meaning of Jesus Christ (3 Credit Hours)**

*Pre-requisites:* THEO 104

Interpretations of the person and work of Jesus.

*Interdisciplinary Option:* Catholic Studies

*Outcomes:*

Students will be able to demonstrate understanding of the nature of Jesus Christ as both human and divine, what this might mean, how this formulation was derived, and the varieties of understanding of Christ within the Scriptures, the church, and modern scholarship

**THEO 313 Gospels of Matthew, Mark & Luke (3 Credit Hours)**

*Pre-requisites:* THEO 112

An analysis of the development of the synoptic tradition (the gospels of Matthew, Mark and Luke).

*Interdisciplinary Option:* Catholic Studies

*Outcomes:*

Students will be able to demonstrate understanding of the various literary elements found in these particular gospels

**THEO 317 Christian Thought: Ancient-Medieval (3 Credit Hours)**

The development of various Christian doctrines in light of their historical milieu during the first fourteen centuries of Christian thought.

*Interdisciplinary Option:* Catholic Studies, European Studies, Medieval Studies

*Course equivalencies:* X-THEO317/CATH317/MSTU360

*Outcomes:*

Students will be able to assess how various configurations of theological perspectives can both expand and foreshorten the way human thinking has gone on

**THEO 318 Christian Thought: Reformation to Modern (3 Credit Hours)**

The development of various Christian doctrines in light of their historical milieu during the last six centuries of Christian thought.

*Interdisciplinary Option:* Catholic Studies, European Studies

*Course equivalencies:* X-THEO318/CATH318

*Outcomes:*

Students will be able to assess how various configurations of theological perspectives can both expand and foreshorten the way human thinking has gone on

**THEO 330 Liberation Theology (3 Credit Hours)**

An introduction to the contemporary theologies of liberation emerging in Latin American, African, and Asian Christianity.

*Interdisciplinary Option:* Catholic Studies, Global Studies, Latin American Studies

*Course equivalencies:* X-THEO/INTS/LASP330/PAX332

*Outcomes:*

Students will be able to demonstrate understanding of ethical comprehension, analysis, and decision-making within the context of select theological and religious traditions

**THEO 331 Theology of Secularization (3 Credit Hours)**

An exploration of the history of secularization and the context it establishes for American Christianity. Focus on practical issues of Christian living.

*Outcomes:*

Students will be able to analyze and interpret various ways in which religious traditions intersect with contemporary issues

**THEO 340 Foundations of Christian Morality (3 Credit Hours)**

A survey of theological and philosophical issues which shape the articulation of specific moral principles.

*Outcomes:*

Students will be able to demonstrate understanding of ethical comprehension, analysis, and decision-making within the context of select theological and religious traditions

**THEO 342 Perspectives on Life and Death (3 Credit Hours)**

Examination of the exploration of our perception of the life range for possible reevaluation and rearticulation, in view of modern scientific developments.

*Interdisciplinary Option:* Bioethics

*Course equivalencies:* X-THEO342/BIET342

*Outcomes:*

Students will be able to demonstrate understanding of ethical comprehension, analysis, and decision-making within the context of select theological and religious traditions

**THEO 343 Contemporary Christian Sexuality (3 Credit Hours)**

Examination of inter-religious perspectives in contemporary sexual ethics.

*Interdisciplinary Option:* Bioethics

*Course equivalencies:* X-THEO343/BIET343

*Outcomes:*

Students will be able to demonstrate understanding of ethical comprehension, analysis, and decision-making within the context of select theological and religious traditions

**THEO 344 Theology and Ecology (3 Credit Hours)**

Examination of the ecological, ethical and theological analyses of humanity's relationship to the natural world.

*Interdisciplinary Option:* Bioethics

*Course equivalencies:* X-THEO344/ESP 344/BIET344

*Outcomes:*

Students will be able to demonstrate understanding of ethical comprehension, analysis, and decision-making within the context of select theological and religious traditions

**THEO 348 Supervised Ministry (3 Credit Hours)**

Placement in a ministerial position, on-site supervision, and biweekly individual or group meetings with the course director is required.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will be able to demonstrate how a sacramental system of aesthetics is often embedded in cultural artifacts

**THEO 349 Theological Topics for the Bioethics Capstone (3 Credit Hours)**

*Pre-requisites:* Two Science courses and two Ethics courses

The interdisciplinary team-taught Bioethics capstone course examines a topic in bioethics from both scientific and ethical points of view.

Topics may include bio-technologies, concepts of race and gender, the environment, reproduction, and others. This course number provides an elective for Theology students when the Bioethics capstone's topic is theological.

*Interdisciplinary Option:* Bioethics

*Outcomes:*

Students will understand the connection between ethical and scientific issues with regard to the special topic in theology

**THEO 350 Topics in Islam (3 Credit Hours)**

A deeper and more focused study of significant aspects of the religion of Islam.

*Interdisciplinary Option:* Asian Studies, Global Studies, Islamic World Studies

*Course equivalencies:* XTHEO350INTS387ASIA350IWS350

*Outcomes:*

Students will be able to demonstrate understanding of Islam

**THEO 352 Topics in Buddhism (3 Credit Hours)**

A deeper and more focused study of significant aspects of Buddhism.

*Interdisciplinary Option:* Asian Studies, Global Studies, Japanese Language and Culture

*Course equivalencies:* X-THEO352/INTS352/ASIA352

*Outcomes:*

Students will be able to demonstrate understanding of Buddhism

**THEO 353 Religious Traditions (3 Credit Hours)**

This course investigates the historical, social, ritual and reflective positions of one or more religious traditions. It likewise develops the student's abilities to use contemporary methods of historical, theological, and social scientific analysis of religious traditions.

**THEO 356 Topics in Judaism (3 Credit Hours)**

A deeper and more focused study of significant aspects of Judaism.

*Outcomes:*

Students will be able to demonstrate understanding of Judaism

**THEO 365 Women, Gender and Embodiment in Islam (3 Credit Hours)**

This course will consider gender both as articulated in normative Islamic religious and legal systems and as embodied during various historical periods in a range of Muslim societies. Students will read a number of the most important academic studies in this field and consider anthropological and cultural materials including films and short stories that disclose Muslim practices and concepts of maleness, femaleness, and gender relations.

*Interdisciplinary Option:* Arabic Language and Culture, Asian Studies, Global Studies, Islamic World Studies, Women & Gender Studies

*Course equivalencies:* THEO/ASIA/INTS/WSGS/IWS365

**THEO 366 Contemporary Islamic Thought and Movements (3 Credit Hours)**

This course will consider contemporary Islamic thought and movements world-wide. After a brief introduction to Islam and the historical development of the tradition up to the present, students will learn about a range of contemporary Muslim intellectual and activist movements and thinkers through the study of original writings and secondary analysis. Some major figures to be considered include: Syed Maududi, Sayyid Qutb, Fazlur Rahman, and other Muslim intellectuals representing movements such as Jama'at-i Islami, the Muslim Brotherhood, and Islamic liberalism. We will focus on the 20th century up to the most current trends. Some of the theological and social issues that will be discussed are gender, the ideal political order, Islamic law and its role in society, and pluralism.

*Interdisciplinary Option:* Asian Studies, Global Studies, Islamic World Studies

*Course equivalencies:* X-THEO/ASIA/IWS366/INTS366A

**THEO 373 Theology Capstone (3 Credit Hours)**

Students enrolling in this course must have junior status and be Theology majors. This 3 credit capstone course gives students an opportunity to integrate various aspects of their theological education, drawing upon the major sources of Christian and Catholic tradition, including Scripture, History, Systematic Theology, and Ethics.

*Outcomes:*

Students will be able to demonstrate an understanding of the varied sources within Christian theological traditions and how to make reasoned theological arguments

**THEO 376 Language and Faith (3 Credit Hours)**

A cultural approach to the study of religious faith through the framework of language.

**THEO 378 Theology and Culture (3 Credit Hours)**

This course can count as an elective for the major or minor. The course will be divided into three parts: (1) an exploration of the interaction between theological reflection & culture; (2) a look at some theological texts that compare Christian and non-Christian practices and practices in the U.S. where different cultural understandings interact; (3) a study of postmodernism.

*Outcomes:*

A deep level of understanding and of critical thinking with respect to the subject matter of the course

**THEO 382 Readings-Liturgy (3 Credit Hours)**

Examination of the readings, prayers, songs, rites of contemporary liturgies. Comparison of these materials with those of traditional liturgies and evaluation of the underlying principles.

*Outcomes:*

Students will be able to demonstrate how a sacramental system of aesthetics is often embedded in cultural artifacts

**THEO 383 Theology Arts & Literature (1-3 Credit Hours)**

Study of theological and religious symbols and themes in modern literature and/or in the arts.

*Interdisciplinary Option:* Catholic Studies

*Course equivalencies:* X-THEO383/ENGL383/CATH383

*Outcomes:*

The student who successfully completes this course will be able to demonstrate knowledge about religion and its intersections with selected contemporary ethical, social, political, economic, or cultural issues

**THEO 392 Readings in Theology (3 Credit Hours)**

A reading course with variable content in the area of theology. Open to major and non-majors with permission of instructor.

**THEO 393 Seminar (3 Credit Hours)**

An undergraduate seminar course for majors and minors in the Theology department; variable content, addressing topical issues that are not covered by the regular offerings at the 300 level.

*Outcomes:*

Students will gain an in-depth understanding of a selected topic

**THEO 395 Theology Tutorial (3 Credit Hours)**

Tutorials for seniors on selected topics in biblical, systematic, historical or moral theology.

*Outcomes:*

Students will gain an in-depth understanding of a selected topic

## University Course (UNIV)

**UNIV 100 Chicago Summer Leadership Academy: College Prep (1-4 Credit Hours)**

This is a seminar course for CSLA participants. The course is designed to advance student's confidence to navigate the college search process and prepare them to apply and secure admissions to a college of their choice. Enrollment Conditions: This seminar course is for CSLA participants. Students in this course will be part of the CSLA program through Student Transitions and Outreach.

*Outcomes:*

Upon completion students will have gained knowledge in navigating the college application process

**UNIV 101 First Year Seminar (1 Credit Hour)**

This class is intended to help first year students enhance their academic skills and social integration into Loyola University Chicago.

*Course equivalencies:* UNIV101 / ACUNI 101

**UNIV 102 Loyola Seminar (1 Credit Hour)**

This is a 1-credit, letter-graded, elective, special topics course taught by faculty or staff experts at Loyola. These small classes are intended to connect students to a faculty or staff member and their peers through meaningful discussions on topics of shared interest.

**UNIV 103 Orientation to Living Abroad (1-3 Credit Hours)**

Students must be participating in a Loyola Study Abroad Program. Provides an orientation to living abroad to students in a Loyola Study Abroad Program. Provides exposure to life and culture in study abroad setting through lectures, discussions and guided study trips.

*Outcomes:*

Knowledge of and appreciation for different cultural and living setting

**UNIV 110 Exploring the United States through Chicago (3 Credit Hours)**

This course will introduce international students to the culture and realities of contemporary Chicago and the United States. Enrollment is limited to participants in the Chicago Center at Loyola University Program. ESL sessions will be incorporated as needed in class sessions.

*Outcomes:*

Participate in onsite learning experiences and in a forum to discuss perspectives on the United States through the lens of their experiences

**UNIV 111 Guided Research in American Studies (1 Credit Hour)**

*Pre-requisites:* Completion of UNIV 110

Taken in the second semester with the Chicago Center Program, it will focus on the students' completion of a research project dealing issue in American Culture. Through in depth research students will identify their topic, gather information, compose a research paper, and present their findings to their classmates. (Other outcomes detailed in syllabus).

*Outcomes:*

Broaden knowledge of both their own and American culture through comparative study of a social, political, or economic issue

**UNIV 112 Strategies for Learning (1 Credit Hour)**

This course is designed primarily for first and second year students to strengthen their academic skills. This course provides an opportunity for students to evaluate their goals and motivation for studying at Loyola and to develop effective strategies for academic success.

*Course equivalencies:* CIEP 112/UNIV 112

*Outcomes:*

Students will gain a clear view of their goals and the steps and strategies needed for achieve academic success

**UNIV 113 Critical Skills Seminar (1 Credit Hour)**

This one-credit course is open to incoming first-year STEP students only. Students will complete assignments related to personal and academic goals and strategies for achieving academic success.

*Course equivalencies:* UNIV 113/CIEP 113

**UNIV 114 Bridge to Loyola Workshop (1-3 Credit Hours)**

As part of the Bridge to Loyola program this course is designed to develop critical thinking and effective strategies for academic success. Restricted to students in the LEAP and STEP programs.

*Course equivalencies:* UNIV 114/CIEP 111

*Outcomes:*

Students will develop a capacity for critical and ethical judgements, effective study strategies, an introduction to scientific inquiry, and an understanding of the Loyola Mission

**UNIV 190 Understanding Service and Social Justice (3 Credit Hours)**

Students contribute 25 hours of service in a community or campus project, and reflect on those experiences in relation to social justice and the particular topic of their course section.

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Students will contribute to and understand service in relation to social justice in a certain topical area

**UNIV 201 Transfer Seminar (1 Credit Hour)**

Enrollment restricted to Transfer Students. This seminar course is designed for students who transferred to Loyola from other institutions. Students in this course will develop strategies to succeed academically, transition smoothly and strengthen their connection with Loyola.

*Outcomes:*

1) Understand Loyola's mission/identity and participate in the Loyola Experience; 2) Improve study habits and academic motivation; 3) Enhance ability to find and utilize campus support and resources

**UNIV 224 Career & Life Planning Seminar (3 Credit Hours)**

Unsure of how your classes and previous experiences will turn into a career? Many students feel unsure about how to plan for life post-graduation. This seminar will allow you to reflect on who you are as a person (not just as a particular "major"), as well as how to research and connect with relevant opportunities and plan effectively for the next chapter of your life. Highly recommended for 3rd/4th year students. Clarify career identity and appropriate pathways; develop effective application materials, networking, and job/internship search skills; develop plan for next steps.

*Course equivalencies:* CPSY 224/UNIV 224

**UNIV 301 Ricci Seminar Rome (3 Credit Hours)**

A research seminar in which a Ricci Scholar develops a project and refines it under the tutelage of a faculty member based in Rome. The focus of the project will be Rome-, Italy-, or Euro-centered.

*Interdisciplinary Option:* Global Studies

This course satisfies the Engaged Learning requirement.

**UNIV 302 Ricci Seminar Asia (3 Credit Hours)**

*Pre-requisites:* Restricted to Ricci Scholar students; UNIV 301 (Can also be taken as corequisite)

A research seminar in which a Ricci Scholar develops a project and refines it under the tutelage of a faculty member based on location at a LUC-approved study abroad site in Asia. The focus of the project will be Asia centered, based on the study abroad location of the Ricci Scholar student.

*Interdisciplinary Option:* Asian Studies, Global Studies

This course satisfies the Engaged Learning requirement.

*Outcomes:*

Design and conduct original research on a topic selected by student and approved by the Ricci Scholars Program; Evaluate the merits of different research methodologies, and be able to adopt or modify existing methods to do qualitative and quantitative research in different cultural contexts; Communicate effectively through written reports, oral presentations, and discussion; Provide constructive feedback to peers and work collaboratively in a multi-disciplinary setting

**UNIV 340 Ricci Scholars Seminar (1 Credit Hour)**

*Pre-requisites:* UNIV 301 and UNIV 302

This course is the culmination of one year junior study abroad experience of RICCI scholars who have done their two supervised individual research projects on East (Vietnam) and on West (Italy). In the course, student's East and West research studies are combined and compared to make a cohesive final report of their findings.



**UNIV 370 Responsible Conduct in Research and Scholarship (0 Credit Hours)**

Loyola University actively promotes a culture of responsible and ethical behaviors among all people associated with the University. This includes the LUC faculty, staff, and students of all levels. This course provides students with a strong foundation of the basic ethical principles and professional standards that can then be built upon by future experiences. Topics include the nine identified by Office of Research Integrity critical to research activities as well as those of value to scholars here at LUC. Taught over a three day period, students will be presented with information and relevant background and given the opportunity to apply these ethical principles in a small group setting. NOTE: This course satisfies the LUC policy requirements for students that are enrolled in graduate programs, undergraduate students that are involved in research activities, and faculty and staff that receive funds from external agencies that require evidence of ethics training.

**UNIV 392 Internship Seminar in Ignatian Praxis (3 Credit Hours)**

*Pre-requisites:* Approval by the Office of Student Transitions and Outreach  
Students in this internship course will complete at least 100 internship hours in Office of Student Transition and Outreach programs  
Students reflect on their work experience in the context of Ignatian critical reflection and will put theory into practice.  
This course satisfies the Engaged Learning requirement.

*Outcomes:*

1) Development understanding of reflection on actions and Ignatian traditions; 2) Enhance connection to the institution through internship work, and academic and professional learning and development; 3) Foster critical thinking and reflective writing skills

## Urban Studies (URB)

**URB 125 Chicago-Growth of a Metropolis (3 Credit Hours)**

This course explores the development of Chicago metropolitan region from the 1830's to the present day. Students will explore the urban area not only through texts, but also through fieldwork.

*Course equivalencies:* SOCL125/URB125

*Outcomes:*

Students will be able to demonstrate understanding of the geography, history and people of the Chicago metropolitan region

**URB 201 Social Welfare Policy & Services I (3 Credit Hours)**

*Pre-requisites:* sophomore standing

Analysis of institutional structures of welfare as they relate to social problems. Selected major values and interests in American society are used to analyze the social welfare institution. Students will be able to describe and analyze current social welfare policies and social services within a historical, societal and political context.

*Course equivalencies:* SOWK201/URB201

**URB 234 City, Suburbs & Beyond (3 Credit Hours)**

Study of the historical emergence of cities, focusing on the ecological, demographic, and organizational processes involved in the continuing growth and change of metropolitan areas and in the relationship of a metropolitan area to the surrounding region.

*Course equivalencies:* X-SOCL234/URB234

*Outcomes:*

Students will understand fundamental facts and theories about the character and development of cities and urban regions

**URB 320 Urban Economics (3 Credit Hours)**

*Pre-requisites:* Sophomore standing, minimum grade of "C-" in ECON 201 and 202

This course analyzes the economic role and functioning of cities and examines urban issues such as real estate markets, transportation, economic development, and crime.

*Course equivalencies:* X-ECON320/URB320

*Outcomes:*

Students will understand the economic forces that shape urban agglomerations; Students will understand the economic and ethical trade-offs of various urban economic policies; They will be able to think critically about the economic forces that make a city grow and contract over time

**URB 352 Gang Activity & Control (3 Credit Hours)**

The course examines the emergence of street gangs in American society with a view toward understanding their structure, characteristics, purpose and activities, and reviews and evaluates prevention and control strategies.

*Course equivalencies:* CRMJ352/URB352

*Outcomes:*

Students will be able to demonstrate an understanding of the causes of street gangs, the methods used to control street gangs, and the impact of street gang activity on society and the criminal justice system

**URB 354 Chicago Justice: Criminal Justice System Cook County (3 Credit Hours)**

This course provides a comprehensive examination of the organization and functions of the criminal and juvenile justice systems/agencies in Cook County - the largest jurisdiction of its kind in the U.S.

*Course equivalencies:* CRMJ354/URB354

*Outcomes:*

Students will be able to describe the organization, functioning, and challenges facing the justice system and agencies within Cook County, and discuss how this system relates to criminal justice agencies at the state and federal level

**URB 370 Cultural Diversity (3 Credit Hours)**

*Pre-requisites:* Junior Standing

This course examines economic, social, institutional and political forces that shape the experiences and life chances of persons within Asian, Latino, and Native American cultures. Social and economic justice in relation to diversity will be explored. Students will understand the relevance of diversity to social work values and interventions.

*Course equivalencies:* ASIA/SOWK/URB370/AFR369/SOWK50

**URB 385 The History of Chicago (3 Credit Hours)**

This course surveys the history of Chicago from its origins to the present, using the city as a case study of American urbanization.

*Course equivalencies:* X-HIST385/URB385

*Outcomes:*

Students will be able to demonstrate historical knowledge of Chicago's environmental, economic, social, cultural, and political history, to draw links between race relations and urban change, and to develop critical thinking and communication skills

**URB 386 American Urban History (3 Credit Hours)**

This course examines the process and impact of urbanization in North America from the Precolumbian era to the twenty-first century.

*Course equivalencies:* X-HIST386/URB386

*Outcomes:*

Students will be able to demonstrate historical knowledge of the environmental, economic, social, cultural, and political history of North American cities and develop critical thinking and communication skills

**URB 397 Urban Studies Research (3 Credit Hours)***Pre-requisites:* Junior or Senior standing

In Urban Studies Research, undergraduates work on collaborative, community-based research projects through CURL (Center for Urban Research and Learning). The research teams include graduate students, faculty, and community leaders. This course must be taken concurrently with SOC/PLSC 335. Students will contribute to a research project that addresses inequities in urban communities.

*Interdisciplinary Option:* Urban Studies

This course satisfies the Engaged Learning requirement.

*Course equivalencies:* X-PLSC397/URB397

## Urdu (URDU)

**URDU 101 Introductory Urdu I (3 Credit Hours)**

This course is an introduction to the Urdu language. No previous knowledge is assumed. It also introduces the Urdu script.

*Interdisciplinary Option:* Asian Studies, Islamic World Studies*Outcomes:*

Students will be introduced to the spoken language and the script in which Urdu is written

**URDU 102 Introductory Urdu II (3 Credit Hours)***Pre-requisites:* URDU 101

This course is a continuation of URDU 101. The course imparts basic grammatical structures and vocabulary of Urdu as well as greater familiarity in reading and writing using the Urdu script.

*Interdisciplinary Option:* Asian Studies, Islamic World Studies*Outcomes:*

Students will be able to develop basic proficiency in the language and will be able to speak, read and write in simple sentences at the elementary level

## Women and Gender Studies (WSGS)

**WSGS 101 Introduction to WSGS from a Global Perspective (3 Credit Hours)**

This is an introduction to the interdisciplinary fields of both Women's Studies and Gender Studies which explore the ways that sex and gender manifest themselves in social, cultural, and political arenas. It draws upon scholarship in women's studies, masculinities studies, and queer studies which themselves draw upon a variety of intellectual perspectives, including historical, psychological, rhetorical, sociological, literary, and biological.

*Knowledge Area:* Foundational Societal Knowledge*Interdisciplinary Option:* Women & Gender Studies*Outcomes:*

students will demonstrate understanding of historical developments, key concepts, theories and themes in women's studies and gender studies, the impact that gender can have on social, cultural, political and economic material conditions

**WSGS 201 Contemporary Issues in WSGS (3 Credit Hours)**

*Pre-requisites:* ANTH 100, PLSC 102, PSYC 100, SOCL 101, WSGS 101, or equivalent; please check requirements for declared majors/minors for exceptions

This course explores issues in women's studies, feminism, and gender studies from the perspective of a particular discipline, depending on the faculty member teaching the course. This may, for example, include Communication, English, History, Sociology, or Theology.

*Knowledge Area:* Tier 2 Societal Knowledge*Interdisciplinary Option:* Women & Gender Studies*Course equivalencies:* WOST201/WSGS201*Outcomes:*

Students will examine the subjects of women and gender, as well as the challenges of conducting feminist or gender scholarship, within the discipline and how new research changes or transforms that scholarship

**WSGS 297 Topics in WSGS (3 Credit Hours)**

This course allows students to explore intermediate courses or seminars focused on the intersection of gender, sexuality, race, class, and other categories of power, privilege, and oppression.

*Interdisciplinary Option:* Women & Gender Studies**WSGS 330 History of Feminist Thought and Social Action (3 Credit Hours)**

This course focuses on the history and development of feminist thought and activism since the late eighteenth century. Attention goes beyond just U.S. and European feminist history, exploring Indigenous, Black, and postcolonial feminism to investigate their unique feminist ideas and the challenges they pose to "traditional" feminist thought and action.

*Interdisciplinary Option:* Women & Gender Studies*Course equivalencies:* X - WSGS 330 / HIST 339F*Outcomes:*

Students will learn to identify key concepts, thinkers, activists; analyze and critique some of the major works; and develop an integrated understanding of the history of feminist thought, broadly conceived

**WSGS 350 Global Feminisms (3 Credit Hours)***Pre-requisites:* WSGS 101 or WSGS 201

This course offers critical and theoretical tools to evaluate feminist theories by women of color in the global South. Adopting a decolonial, anti-racist approach, the course evaluates how women and gender relations are affected by economic, cultural, and political changes related to the racial regimes of globalization and migratory movements.

*Interdisciplinary Option:* Women & Gender Studies*Outcomes:*

Students will acquire and utilize key theoretical concepts in the study of feminisms, race theory, border studies, postcolonial studies, transnationalism, and migration studies

**WSGS 360 Migration, Identity, Sexuality (3 Credit Hours)***Pre-requisites:* WSGS 101 or WSGS 201

In this seminar WSGS course we will explore how crossing borders, identity politics, and sexuality intersect to produce a rich and necessary conversation on contemporary global immigration issues. We will explore the gendered dynamics and experiences of recent immigrants.

*Interdisciplinary Option:* Women & Gender Studies*Outcomes:*

Acquire and utilize key theoretical concepts in the study of borders, identity politics, transnationalism, and sexuality from an intersectional lens

**WSGS 370 Sexual Assault Advocacy (3 Credit Hours)**

*Pre-requisites:* WSGS 101 or WSGS 201

This course provides specific skills of support and advocacy services to sexual assault survivors. Students will gain an understanding of the impact of sexual assault on victims, the social and cultural context in which sexual assault occurs, and the roles systems play to both support and inhibit survivors recovery.

*Interdisciplinary Option:* Women & Gender Studies

*Outcomes:*

Students who successfully complete the course may be eligible to serve as Loyola University Chicago sexual assault advocates

**WSGS 375 Masculinity Studies: Equity, Race, Transformation (3 Credit Hours)**

*Pre-requisites:* WSGS 101

This course highlights the intersectional exploration of how masculinity is embodied, experienced, and replicated in the United States and globally. With this transnational lens, students gain a better understanding of contemporary global masculinity sociocultural issues and concerns which include race/racism, "angry white men," and the "crisis of masculinity."

*Interdisciplinary Option:* Women & Gender Studies

*Course equivalencies:* WSGS 375/WSGS 475

*Outcomes:*

Students will acquire and utilize key theoretical concepts in Masculinity studies from an international lens; Students will apply a wide critical terminology to literary texts and visual/cultural phenomena globally

**WSGS 380 Queer Theory: Beyond the Binary (3 Credit Hours)**

*Pre-requisites:* WSGS 101 or 201

This course maps the field of Queer Theory from an interdisciplinary, global perspective in order to cover a wide range of theoretical and disciplinary approaches (race theory, transnational theory, postmodernism, Latinx-American Studies, among others) and interpretative applications (film, literature).

*Interdisciplinary Option:* Women & Gender Studies

*Outcomes:*

Students will be able to identify key concepts and thinkers of this influential field of study; they will develop an intersectional, global understanding of this field of critical theory

**WSGS 388 Women's Studies Practicum (3 Credit Hours)**

This supervised field experience uses experiential learning at a wide variety uses experiential learning at a variety of women's political, cultural or educational organization as the basis for learning and refining skills which can benefit gender equity.

*Interdisciplinary Option:* Women & Gender Studies

This course satisfies the Engaged Learning requirement.

*Course equivalencies:* WOST388/WSGS388

*Outcomes:*

Students demonstrate skill proficiency, professional conduct, and systematic reflection on their experience; Students learn about public and private sector responses to women's issues and concerns

**WSGS 389 Independent Study (1-3 Credit Hours)**

This course consists of independent research or engaged learning in a specific area of WSGS; work must be completed under the supervision of a WSGS faculty member.

*Interdisciplinary Option:* Women & Gender Studies

*Outcomes:*

Students will gain a deeper understanding of a specific WSGS topic through research, service, reading, or other mode of learning; The product of this work will vary depending on the interests of the student

**WSGS 390 Directed Readings Women Studies (3 Credit Hours)**

An independent program of reading and research arranged between the student and the supervising faculty member in the student's major department. Students will complete a final research project integrating their major fields with women's studies. Permission of women's studies director is required.

*Interdisciplinary Option:* Women & Gender Studies

*Course equivalencies:* WOST390/WSGS390

**WSGS 391 WSGS Methodologies (3 Credit Hours)**

*Pre-requisites:* WSGS 101 or WSGS 201, and WSGS 330

This course is part of a two-semester sequence for the final year of the WSGS major and minor. In this course we review several approaches to feminist research methods and consider ways to put them into practice, individually or combined with other methods. Enrollment by permission.

*Interdisciplinary Option:* Women & Gender Studies

*Outcomes:*

Students will produce a project proposal that (1) demonstrates an interdisciplinary approach; (2) draws on theory and scholarship in WSGS; and (3) reflects the use of feminist methodologies in practice

**WSGS 397 Special Topics in WSGS (3 Credit Hours)**

This course allows students to explore advanced courses or seminars focused on the intersection of gender, sexuality, race, class, and other categories of power, privilege, and oppression.

*Interdisciplinary Option:* Women & Gender Studies

*Course equivalencies:* WOST397/WSGS397

*Outcomes:*

Students demonstrate an understanding of a unique topic in women's studies

**WSGS 398 Women's Studies Internship (3 Credit Hours)**

This course uses supervised project-based experiential learning to allow students the opportunity to apply feminist analysis and practical skills to a student-designed project that will be completed within the timeframe of a course term.

*Interdisciplinary Option:* Women & Gender Studies

This course satisfies the Engaged Learning requirement.

*Course equivalencies:* WOST398/WSGS398

*Outcomes:*

Students learn application of feminist concepts and principles to pragmatic outcomes; leadership, planning, time management, and assessment skills

**WSGS 399 WSGS Capstone (3 Credit Hours)**

*Pre-requisites:* WSGS 330 and WSGS 391; Enrollment by permission

This is a project-oriented course that represents the culmination of the WSGS major. Students build on their work in WSGS 391/WSGS Methodologies to complete a project under the direction of a faculty or community organization mentor, either individually or as a group.

*Interdisciplinary Option:* Women & Gender Studies

This course satisfies the Engaged Learning requirement.

*Course equivalencies:* WOST399/WSGS399

*Outcomes:*

Students will complete a project that (1) demonstrates an interdisciplinary approach; (2) draws on theory and scholarship in WSGS; and (3) reflects the intentional use of feminist methodologies in practice