

# UNDERGRADUATE RESEARCH

For a course to be designated as “Undergraduate Research”, satisfying the University Engaged Learning requirement, it must meet all the following criteria. Criteria for undergraduate research courses are based on research, best practices, and the CAS Standards for Undergraduate Research (2009).

1. *The field research course engages students on an original research project (not a simulation), either contributing to a faculty research project or engaging in an independent research project with a mentor*
2. *Students conduct research on an ongoing basis, working an average of 5 – 10 hours/week.*
3. *Students gain knowledge of or experience in discipline-specific language, research ethics, skills in research methodologies, and important scholarship.*
4. *The learning objectives related to the research experience are clearly articulated related to their field of study, educational goals and/or career and vocational aspirations.*
5. *There is supervision and feedback by a mentor who has expertise related to their field of study, educational goals and/or career and vocational aspirations.*
6. *The syllabus assignments include reflection assignments and a final synthesis project integrated into the course.*
7. *There is an outlet to disseminate the original research (e.g., symposium, conference, scholarly article) integrated into the course.*

In addition to classes approved for EL credit in the area of Undergraduate Research, research projects students pursue under an Independent Study or Directed Readings course-number may be approved for EL credit if they meet the criteria. Students should follow the process to request EL credit on the “Requesting EL Credit (<https://www.luc.edu/celts/programs/engagedlearning/studentresources/requestingelcredit/>)” page.

**All courses that have been approved to satisfy the Engaged Learning University Requirement are designated with an “E” appended to their section number, e.g. ANTH 301 01E. Comprehensive listings of all approved Engaged Learning classes offered each semester can be found in LOCUS (<http://www.luc.edu/locus/>).**

## College of Arts and Sciences

Code	Title	Hours
ANTH 314	Applied Anthropology	3
ANTH 317	Ethnographic Methods	3
ANTH 361	Issues Cultural Anthropology (002 Section-Only)	3
BIOI 397	Bioinformatics Survey	1-4
BIOI 399	Bioinformatics Research	1-4
BIOL 296	Introduction to Research	1
BIOL 366L	Cell Physiology & Biochemistry Lab	2
BIOL 373	Laboratory in Neuroscience I	4
BIOL 390	Molecular Biology Laboratory	4
BIOL 392 / COMP 392	Metagenomics	3
BIOL 396	Research	3
CHEM 300	Undergraduate Research	1-6
CJC 391	Capstone Experience Research	3
CLST 380	Research in Classical Studies	3

COMP 312	Open Source Software Practicum	3
COMP 398	Independent Study	1-6
DANC 398	Research in Dance	1-12
ENGL 283	Women in Literature <sup>1</sup>	3
FNAR 392	Senior Thesis II: FNAR Art History Capstone	3
FRSC 394	Forensic Science Research	1-4
HIST 300D	Topics in U.S. History (Ramonat Seminar) <sup>1,2</sup>	3
HIST 375	Digital History <sup>1</sup>	3
INDS 380	Newberry Seminar <sup>1</sup>	6
MSTU 300 & MSTU 301	Integrative Experience I and Integrative Experience II	3
PHYS 126 & 126F	General Physics II Lec/Dis and Freshman Projects	4
PHYS 391	Research	1-12
PSYC 370	Psychology Honors Research	3
PSYC 397	Independent Research	3
SOCL 265	Globalization & Society	3
SOCL 397	Independent Study Projects	3
STAT 370	Data Science Consulting	3
THEO 280	Theology & Interdisciplinary Study	3
THEO 299	Religions of Asia	3
THEO 317	Christian Thought: Ancient-Medieval <sup>1</sup>	3
THEO 373	Theology Capstone	3
UNIV 302	Ricci Seminar Vietnam (1VE) (Restricted to Vietnam students)	3

<sup>1</sup> Only specific sections satisfy the Engaged Learning requirement. These will include the letter E in the section number. Please see LOCUS for details.

<sup>2</sup> The Ramonat Seminar (<http://ramonatseminar.com/>) is an interdisciplinary, two-semester course that provides Loyola undergraduates with the unique opportunity to explore changing topics within American Catholic history, literature, and culture through hands-on research. Taught by a Loyola faculty member, the seminar is limited to 12 participants who pursue common readings in the fall semester and individual research projects in the spring semester. Unlike standard undergraduate courses, the Ramonat Seminar provides promising students, who will be named *Ramonat Scholars*, with resources for research, travel, and even publication in digital and print formats, all aimed at their general professional development.

## Center for Engaged Learning, Teaching, & Scholarship/Office of the Provost

Code	Title	Hours
EXPL 391	Seminar in Undergraduate Research Methods	3

## Parkinson School of Health Science and Public Health

Code	Title	Hours
PUBH 399	Public Health Capstone Experience	3

## School of Education

Code	Title	Hours
CIEP 366	Special Topic Seminar	3

## School of Environmental Sustainability

Code	Title	Hours
ENVS 350B	Solutions to Environmental Problems: Biogas <sup>1</sup>	3
ENVS 338	Climate Change and Human Health	3
ENVS 391	Environmental Research	1-3

<sup>1</sup> Only specific sections satisfy the Engaged Learning requirement. These will include the letter E in the section number. Please see LOCUS for details.

## School of Business

Code	Title	Hours
BHNR 343	Integrated Analytical Decision Making	3
BHNR 353	Research Practicum	3
ECON 346	Econometrics <sup>1</sup>	3
ENTR 390	Entrepreneurship Strategies - Capstone	3
FINC 356	Advanced Topics in Investment Banking and Asset Management	3
FINC 399	Special Topics in Finance (Topics in Investment Banking and Asset Management)	1-3
MARK 311	Marketing Research	3

<sup>1</sup> Only specific sections satisfy the Engaged Learning requirement. These will include the letter E in the section number. Please see LOCUS for details.

## School of Communication

Code	Title	Hours
COMM 365	Naturalistic Methods Communication Research	3
COMM 368	Ethnographic Research Methods in Communication	3