

INTEGRATIVE CELL BIOLOGY (ICB)

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ICB 401 Gross Anatomy (6 Credit Hours)

The student develops a knowledge and understanding of the basic concepts and facts of human gross anatomy as it relates to function and clinical problems. Lectures, clinical case-based and problem-based learning, computer-aided instructional materials, and cadaver dissection serve as guides to laboratory study.

ICB 403 Histology (3 Credit Hours)

The course is designed to provide the student with a basic knowledge and understanding of the structure and function of the human body at the light and electron microscopic level. The interdependence between structure and function in the different tissues and organs of the body is emphasized. Clinical and research application of the course material are also stressed.

ICB 411 Advanced Gross Anatomy (2 Credit Hours)

The study of the gross structure of the human body at an advanced level presented at conference sessions. Registrants for this course may include graduate students, advanced medical students, as well as those who hold the M.D. degree and are concurrently registered for advanced work in one of the clinical departments.

ICB 445 Scientific Literature: Review & Critique (1 Credit Hour)

Students are taught critical evaluation of scientific literature, hypothesis testing and presentations. This course involves attendance at scientific presentations by students and outside speakers and a journal club component. Both staff and students participate and the class is only offered during the fall semester. This course alternates with Review and Seminar 446.

ICB 446 Review Seminar (1 Credit Hour)

The student participates in a series of seminars and journal clubs that provide a forum for intensive review of scientific topics. Research progress reports of the students is incorporated into this course as a part of the scientific presentation. This course alternates with the Scientific Literature Course 445 and is only offered during the spring semester.

ICB 459 Research (1-8 Credit Hours)

Independent research for thesis or dissertation under the supervision of an appointed faculty adviser. Credit various upon assigned effort and time spent in the laboratory. Requires a written report.

ICB 462 Teaching of Anatomy I (2 Credit Hours)

A practical experience in the teaching of Gross Anatomy to graduate and medical students. Students assist in the planning, preparation, and teaching of laboratory sessions. The course allows students to place the experience of teaching gross anatomy on their transcripts as a graded course indicating to future employers that they have gained teaching experience.

ICB 463 Teaching Anatomy II (2 Credit Hours)

A practical experience in the teaching of histology to graduate and medical students. Students assist in the planning, preparation and teaching of laboratory sessions. The course allows students to place the experience of teaching histology on their transcripts as a graded course indicating to future employers that they have gained teaching experience.

ICB 501 Special Topics in Anatomy (1-2 Credit Hours)

Occasionally specific faculty members may offer a specialized seminar course. The purpose of such courses is to further graduate student's knowledge in a specialized current scientific research area. The graduate students explore in detail one or more areas of special interest through seminars, conferences, library and laboratory work.

ICB 595 Thesis Supervision (0 Credit Hours)

Supervised research and writing leading to the completion of the masters of science thesis and degree.

ICB 600 Dissertation Supervision (0 Credit Hours)

Supervised research and writing leading to the completion of the Ph.D. dissertation and degree.