Approved School of Science & Engineering Writing Intensive Courses

BMEN 490-491 Biomedical Research and Professional Practice I and II (2,2)
This course introduces the tools, techniques, and rules necessary to function professionally as a researcher or engineer. Topics include economic analysis, ethics, professional communication including writing and oral presentation, research techniques including literature searching, citation, and the structure of a scientific paper. An integral part of the course is a year-long research or design project under the direction of a faculty member or other scientist or professional. This culminates in a Senior Thesis and a presentation in Departmental Seminar.

CELL 426 Principals of Biomedical Writing (3) (Capstone)
Prerequisites: CELL 301 or CELL 311 or CELL 401. An examination of various types of scientific literature, scientific writing and presentation. Exploration of scientific databases such as PubMed. Emphasis on critical reading of scientific literature and writing in a scientific style. Also satisfies writing intensive requirement.

CELL H499-H500 Honors Thesis (3, 4)
Staff. For juniors and seniors with approval of department and the Honors Committee. Students who complete H499 and H500 with the preparation of a senior thesis may be recommended to the college for the award of degree with departmental honors.

CHEM H499-H500 Honors Thesis (3, 4)
For senior honors candidates. May be substituted for 401 and 402, respectively.

LECTURE AND LABORATORY COURSES

CENG 324 Unit Operations Lab I (4) Laboratory 8.
Prerequisites: CENG 211, 212, 232, and 333. Bench scale laboratory experiments in Unit Operations. Report writing, safety, oral presentations, ethics and group activities are emphasized.

CENG H499-H500 Honors Thesis (3)
Students pursuing an undergraduate degree in Chemical Engineering with high Latin Honors (i.e. Magna or Summa Cum Laude) must register for this course during the FALL Semester of their Senior Year and Spring Semester of their Senior Year respectively.

COLQ 412 - The Grand Canyon (3)
Prof. Parsley, professor-in-charge. A study of the anthropology, archaeology, biology, geology, and history of the southern Colorado plateau region, especially the Grand Canyon. Lectures, readings, and research paper followed by a post-semester, eight-day float trip through the Marble and Grand Canyons. Note: Open to first-year students through seniors.

EENS H499-H500 Honors Thesis (3, 4)
Staff. Open to seniors in the Tulane Honors Program. Culminating in a defended thesis based on substantial independent research overseen by a faculty advisor.
EBIO H499-H500 Honors Thesis (3, 4)
Staff. For especially qualified juniors and seniors with approval of department and the Honors Committee. Students substituting EBIO 500 for EBIO 498 are required to attend all meetings for EBIO 498 and to present the Honors Thesis in EBIO 498. NOTE: Satisfies the capstone requirement.

EBIO 619 Darwin and Darwinism (4)
Prerequisite: approval of instructor. A consideration of Charles Darwin’s theory of Natural Selection, including the history of evolutionary thought before Darwin’s time, the circumstances surrounding Darwin’s research, and the effect of Darwin’s ideas on the development of contemporary biology. Readings, discussions, and written assignments. Satisfies the LAS writing requirement.

MATH 398-399 Seminar in Mathematics (1, 3)
Prerequisites: MATH 305, 309, and two additional courses at the 300-level or above. Under faculty guidance, students will select a topic in current mathematical research, write an expository article on that topic, and give an oral presentation. This seminar is required of all mathematics majors who are not doing an Honors Project within the department. Completion of 398 and 399 fulfills the college intensive-writing requirement.

MATH H499-H500 Honors Thesis (3, 4)
Prerequisite: approval of the department. Thesis may serve to satisfy part of the departmental honors requirements.

NSCI H499, H500 Honors Thesis (3, 4)
Admission by department and Honors Committee approval.

NSCI 652 Biological Psychology Laboratory (1)
Corequisite: NSCI/PSYC 651. Prerequisite: PSYC 209. A laboratory course providing training in behavioral and neurobiological methods, experimental design, data collection and analysis and preparation of research reports. Satisfies psychology and neuroscience laboratory requirement. Fulfills college laboratory and writing requirements. Same as PSYC 652.

PHYS H499-H500 Honors Thesis (3, 4)
Open only to candidates for honors degrees with department approval.

PSYC H499-H500 Honors Thesis (3, 4)
Staff. For senior honors candidates. Intensive reading and research related to the topic of the thesis.

PSYC 652 Biological Psychology Laboratory (1)
Corequisite: PSYC/NSCI 651. Prerequisite: PSYC 209. A laboratory course providing training in behavioral and neurobiological methods, experimental design, data collection and analysis and preparation of research reports. Satisfies psychology and neuroscience laboratory requirement. Fulfills college laboratory and writing requirements. Same as NSCI 652.