BIOL 3375K: Behavioral Biology

4 Credit Hours

Prerequisite: (BIOL 1107 and BIOL 1107L) and (BIOL 1108 and BIOL 1108L) or comparable research methods course.

Students will explore the major concepts in behavioral biology. Students will relate neurophysiology to ethology and ecology, and will include a look at the behavior of social organisms. In the laboratory, students will use a quantitative approach to test hypotheses while observing the behavior of animals.

BIOL 3380: Evolutionary Biology

3 Credit Hours

Prerequisite: BIOL 3300

Students will study the fundamental questions of evolutionary biology, and focus on how processes such as natural selection, mutation, and drift form the genetic basis of evolutionary change. Students will investigate the role that adaption, speciation, and genome evolution have played in the diversification of Life on Earth over time. Students will explore the application of evolutionary principles, such as phylogenetic inference, to human health, disease, and conservation efforts.

BIOL 3396: Cooperative Study

Variable 1-3 Credit Hours

Prerequisite: Approval of Program Coordinator and Coordinator of Cooperative Education/ Internships (Career Services).

A supervised work experience program for a minimum of two academic semesters at a previously approved site in business, industry or government or a private agency. For sophomore, junior or senior level students who wish to obtain successive on the job experience in conjunction with their academic training.
Notes: Can be applied to free electives only.

BIOL 3398: Practical Internship

1-4 Credit Hours

Prerequisite: Approval of major area committee and Program Coordinator prior to registration.

This course is a supervised, credit-earning, academic experience with a previously approved business firm, private agency or government agency. Students will learn to integrate biological skills and concepts with appropriate business or agency practice.
Notes: Credit is allowed only in elective areas.