Biology (BIOL)

BIOL 5102 Research Problems I 1 SCH (0-1)
Individual problems assigned, defined and supervised by a Biology graduate faculty member with permission of the department chair. Provides experience in individual design, execution and reporting of small units of research of professional caliber.

BIOL 5104 Graduate Seminar 1 SCH (0-1)
An advanced study of biological literature and research with critical class reports. Must be taken four times for credit.

BIOL 5202 Research Problems II 2 SCH (2-0)
Individual problems assigned, defined and supervised by a biology graduate faculty member with permission of the department chair. Provides experience in individual design, execution and reporting of small units of research of professional caliber.

BIOL 5302 Advanced Topics in Biology 3 SCH (3-0)
Lectures in selected topics. May be repeated for credit once under a different topic. Prerequisites: 12 semester hours of biology or equivalent.

BIOL 5305 Graduate Research Project 3 SCH (3)
Designed for project option students and requires completion of research project. Prerequisite: departmental approval. May be repeated for a maximum of 6 semester hours.

BIOL 5306 Thesis 3 SCH (3)
Designed for thesis option students. The course requires completion of thesis research. Prerequisite: departmental approval. May be repeated for maximum of 6 semester hours.

BIOL 5316 Advanced Biology Concepts 3 SCH (3-0)
A study of traditional biological phenomena using modern research techniques. Cell, organismal and population biology will be analyzed with an emphasis on molecular and evolutionary concepts. Prerequisite: graduate standing in biology.

BIOL 5320 Research Problems III 3 SCH (0-3)
Individual problems assigned, defined and supervised by a biology graduate faculty member with permission of the department chair. Provides experience in individual design, execution and reporting of small units of research of professional caliber.

BIOL 5401 Molecular Biology 4 SCH (3-3)
Modern concepts and lab techniques in molecular biology. Fundamental principles and important new processes in the use of molecular techniques to address biological problems. The laboratory portion will introduce basic and advanced molecular techniques. Prerequisite: graduate standing in the sciences, agriculture or engineering.
Fee: $6.00

BIOL 5402 Advanced Topics in Biology 4 SCH (3-3)
Lectures, literature, investigation and research at the graduate level in selected advanced topics. May be repeated for credit under different topics.
Fee: $6.00