INTRODUCTION TO BIOLOGICAL SCIENCE (BIOSS)

Department of Biological Sciences

For further information, please contact the Department of Biological Sciences.

BIOSS 101 - Introduction to Biological Science
3 Credits
Offered Fall, Spring
This course introduces students to the fundamental concepts of biology, including cell biology, genetics, evolution, ecology, and the interrelationships among these disciplines. It provides a broad overview of the diversity of life and the scientific methods used to study it.

Lecture + Lab + Other: 3 + 3 + 0

BIOSS 201 - Principles of Biology
4 Credits
Offered Fall, Spring
This course delves deeper into the study of biology by examining more specialized areas such as molecular biology, biochemistry, and biotechnology. Students will learn about the structure and function of biological molecules, the processes of gene expression, and the use of biotechnology in solving real-world problems.

Lecture + Lab + Other: 4 + 4 + 0

BIOSS 301 - Advanced Biological Science
3 Credits
Offered Fall, Spring
This course is designed for students who have completed the introductory biology sequence and wish to advance their understanding of biological concepts. Topics covered may include microbial ecology, immunology, and molecular genetics.

Lecture + Lab + Other: 3 + 0 + 0

BIOSS 401 - Independent Study in Biological Science
1-3 Credits
Offered Fall, Spring
This course provides an opportunity for students to engage in self-directed research or advanced study in an area of interest within the field of biological science. Students must obtain permission from a faculty advisor before enrolling.

Lecture + Lab + Other: 1-3 + 0

BIOSS 499 - Honors Project in Biological Science
1-3 Credits
Offered Fall, Spring
This course is designed for advanced undergraduate students who are interested in conducting independent research projects under the guidance of a faculty mentor. Students will develop research questions, conduct experiments, and write a research paper.

Lecture + Lab + Other: 1-3 + 0

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