



BIOL 2450

Division: Natural Science and Mathematics

Department: Biology

Course: BIOL 2450

Title: Undergraduate Teaching in Biology

Catalog Description:

Undergraduate Teaching in Biology is offered to students that are interested in acting as teaching assistants in biology laboratories or in assisting in the preparation of cadavers for anatomy laboratories. Students will participate in some, or all, of the following activities: read assignments related to labs taught, review and discuss topics in the discipline, assist in laboratory preparation, and the teaching of biological laboratories. Students in this course must have successfully completed the course to be taught and have the consent of the instructor. This course is repeatable for credit.

General Education Requirements: N/A

Semesters Offered: Fall, Spring

Credit/Time Requirement: Credit: 2; Lecture: 1; Lab: 2

Clock/Hour Requirements: 0

Offered for Non-Credit: No

Credit/Clock Comments: This course is repeatable for credit.

Prerequisites: Successful completion of the course being taught and instructor consent

Justification:

Many Snow College students are undecided about their career goals. Other students have chosen a career possibility, but lack focus. This course gives students an opportunity to explore biology instruction as a possible career. It also gives students an opportunity to go beyond the normal classroom experience and gain experience that will undoubtedly give them an advantage as they continue their educational pursuits and apply to career programs in education, medicine, or biology.

Student Learning Outcomes:

Upon successful completion of this course, students will have:

- reinforced their knowledge of subjects in biology that they have previously studied
- gained more depth of knowledge in these areas of study and related careers
- learned some basic techniques of teaching the life sciences

The relative focus of each objective may differ between instructors.

Content:

This course will draw from the following subjects and practices:

- reading of course material
- group review of course material

- discussion of teaching techniques
- dissection of human cadavers
- assisting students in the laboratory

General Education Outcomes:

Applied Education Outcomes:

1) Students will acquire entry-level skills specific to and appropriate for employment in their chosen field of study.

Students will learn methods for teaching biology. Students will apply this knowledge by addressing student concerns and answering questions during laboratories and/or will apply this knowledge through the preparation of materials used in the learning process. Student preparation, teaching, and/or dissections will be critiqued by the professor, classmates, and (if applicable) students being instructed.

Key Performance Indicators:

Students may choose to participate in one of the following assessment plans with the consent of the instructor.

- 1) assessment is based on attendance and participation in weekly reviews and lab preparations (100%)
or attendance and participation in weekly reviews and laboratories (100%)
- 2) assessment is based on attendance and participation in weekly reviews/lab preparations (50%) **and** attendance and participation in laboratories (50%)

Representative Text and/or Supplies:

- Text(s) required for the course being taught

Optimum Class Size: 24

Maximum Class Size: 24

Signatures:

I hereby submit this course syllabus:

Allan Stevens, , Professor

I hereby find this course consistent with the goals and resources of the Biology Department:

Allan Stevens, , Professor, Chair

I hereby find this course consistent with the goals and resources of the Natural Science and Mathematics Division:

Dan Black, EdD, Associate Professor, Dean

I have discussed the need for library resources related to this class with the person submitting the syllabus:

Lynn Anderson, MLIS, Technical Services Librarian (Main Campus)

Michelle Olsen, MLS, Campus Librarian (Richfield Campus)