

Inver Hills Community College

BIOL 1190: Research in Biology

A. COURSE DESCRIPTION

Credits: 1,2,3

Lecture Hours/Week: *.*

Lab Hours/Week: *.*

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

Introduces students to primary research in biology. In consultation with a faculty member, students will develop a plan to investigate a contemporary research question in biology. Under faculty direction, students will gain hands-on experience using equipment, procedures and techniques to collect data in the laboratory or field. Students will be required to analyze primary data and to communicate their results in writing, orally or in poster form. Other requirements to be determined by arrangement, and outlined in a contract with instructor prior to registration. Students may take this class more than once for a maximum of 9 credits.

B. COURSE EFFECTIVE DATES: 01/09/2017 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Literature review 10%
2. Primary lab or field research - data collection 70%
3. Analyze findings 10%
4. Communicate findings 10%

D. LEARNING OUTCOMES (General)

1. Locate, review, interpret and analyze scientific information
2. Demonstrate biology field and/or laboratory skills
3. Generate data through primary research
4. Evaluate & analyze primary data
5. Effectively communicate primary research findings to faculty, peers and/or community

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted