

BI 298 : Independent Study

Provides an opportunity for students to work independently on an advanced individualized area of study within biology under the sponsorship and guidance of a biology faculty member.

Fieldwork Statement

Fieldwork is a professional competence in many areas of Biology. Standard field practices include measurements of abiotic and biotic components. Fieldwork includes use of all the senses to make observations in natural and built environments. Field training may include developing skills in site characterization, measurement and data collection, application of key terms and concepts, species identification, and observation. Certain protocols may require use of equipment, chemicals, and expensive gear. Field training is experiential often leading to unique sets of observations/ data in particular locations. Fieldwork may include inherent risks (uneven terrain, off-trail work with map & compass, variable weather, insects, environmental irritants, travel, stress, etc.). Fieldwork can be physically challenging and may require overland travel on foot or unusual means to field points, carrying field equipment (as well as food, water, and safety equipment), taking measurements under duress (learning new protocols, requiring remaining in an unusual posture or position for a length of time, timing pressures for certain procedures, holding organisms, variable weather, etc.), survival skills, orienteering, and so on.

Credits 1

-4

Prerequisites

Instructor permission required.

Subject

Biology

Course Outcomes

- Meet the outcomes mutually agreed upon by the student and instructor for this independent study course that expand upon topics covered in previous biology courses taken.
- Successfully transfer and perform at a four-year college or university or other program of interest to the student.
- Apply the scientific method and biological concepts in novel settings for lifelong learning.