



SCI 112: Principles of Ecology

An introduction to basic principles of ecology. The interaction of abiotic and biotic components of ecosystems are discussed as well as the effects of human intervention. Some labs are field trips. Three lecture hours and two laboratory hours per week. Instructional Support Fee applies. Gen. Ed. Competencies Met: Scientific Reasoning and Discovery.

Course Student Learning Outcomes

1. Explain the process of ecological change both in the long term (evolutionary change) and in the short term (succession).
2. Utilize the tools of science through ecological field study focused on local ecosystems in Southeastern Massachusetts.
3. Analyze data, modeling the way in which scientist handle data, including the use of statistical methods and computers for analysis of data sets.
4. Compile scientific findings using the primary methods by which scientists communicate with their peers including composing original research papers, oral presentations and poster presentations.

Credits: 4

Program: Science