

## Ecological Restoration (BIOL. 0280) ONLINE

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This is an upper level one credit seminar course with no prerequisites. It is offered through the Biology Department but has relevance to student in the Environmental Science Department. Because it is an upper level course it is hoped that student will have some basic knowledge in ecology, field biology and or environmental sciences.

**Course Description:** A seminar course exploring the history, necessity, procedures, and outcome of ecological restoration. Most, if not all, of the projects discussed are occurring or have been completed in Massachusetts.

### **Probable Topics:**

- What is "Ecological Restoration" and how has it evolved?
- What are the temporal and spatial considerations of restoration and how do they matter in terms of degradation and recovery?
- Exploring the effectiveness of ecological restoration projects. How are the project effectiveness evaluated?
- Address the systems and underlying causes that lead to a restoration project.
- Look at specific ecological restoration projects, both aquatic and terrestrial in the Northeast and particularly in Massachusetts.
- Identify and use some of the available tools of ecological restoration.

### **Textbook:**

Clewell, F. and Aronson, J 2013, *Ecological Restoration*, Second Edition, Island Press