

## **Ecological Restoration FW445/545**

**Credit hours:** 4

**Term offered:** Spring

**Instructor:** Stan Gregory, Paul Doescher

**Course objectives:**

Upon completion of this course, you should be able to develop a comprehensive, integrative restoration plan that demonstrates your understanding of:

- Key ecological principles used for restoration of terrestrial and aquatic ecosystems in western North America.
- The role conservation and restoration play within the larger context of natural resource management.
- Restoration approaches that require careful assessment of alternatives constrained by complex ecological, sociological and political realities.

**Course content:** Lectures will involve students attending class for 3 hours per week. In addition, all students will be required to attend one all day field trip (see below). Students will need to devote a considerable amount of their independent time in library research and information synthesis to aid in the development of their restoration plans. Graduate students will be assessed at a higher level of expectation than undergraduate students.

**Prerequisite(s):** BI370

**Text(s):**

Falk, D. A., M. Palmer and J. Zedler. 2006. Foundations of Restoration Ecology. Island Press.

**Term paper(s):** Restoration Project

**Testing:** Three midterms.

**Students for whom the course is intended:** Undergrad and graduate students interested in conservation, ecology and restoration.