

COURSE OUTLINE

Origination: Van Bobbitt March 2011

DEPARTMENT:	Hospitality and Service Occupations
CURRICULUM:	Landscape Horticulture
COURSE TITLE:	Ecological Restoration: Project Planning & Implementation
COURSE NUMBER:	LHO 241
TYPE OF COURSE:	Professional Technical
COURSE LENGTH:	1 quarter
CREDIT HOURS:	3
LECTURE HOURS:	22
LAB HOURS:	22
CLASS SIZE:	30
PREREQUISITES:	LHO 240—Ecological Restoration: An Introduction—or permission of instructor

Course Description:

Ecological restoration is the process of assisting the recovery of an ecosystem that has been degraded, damaged, or destroyed. Learn how to plan, implement, maintain, and evaluate the success of an ecological restoration project. This course will be involved in planning and implementation of a restoration project on a site near campus, such as the West Duwamish Greenbelt.

Student Learning Outcomes Addressed:

1. Communication—Be able to speak and write effectively to communicate technical information about ecological restoration.
2. Human Relations—Use social interactive skills to work in groups effectively, and be sensitive to diverse cultural and political values while planning and implementing an ecological restoration project.
3. Critical Thinking and Problem Solving—Use critical thinking skills to systematically plan and implement an ecological restoration project in a manner that utilizes current scientific knowledge and balances ecological, cultural, political, and economic considerations.

4. Technology—Use current tools and technologies to help conduct a site analysis and set up monitoring procedures for an ecological restoration project.
5. Information Literacy—Access and critically evaluate technical, scientific, and practical information about an ecological restoration project.

General Course Objectives:

At the end of the course the student will:

1. Be familiar with the *Society for Ecological Restoration International Primer on Ecological Restoration*.
2. Be familiar with the *Guidelines for Developing and Managing Ecological Restoration Projects* from the Society for Ecological Restoration International.
3. Have gained experience in planning, implementing, and maintaining ecological restoration projects.
4. Understand the complexities—scientific, political, cultural, etc.—of ecological restoration.

Topical Outline:

Approx. Hours

I. Orientation to course	2
II. Conceptual planning of project (Identify site, feasibility assessment, restoration goals)	6
III. Preliminary tasks (Document site conditions, select reference ecosystem)	6
IV. Implementation planning (Prepare performance standards, schedule tasks, prepare budget)	8
V. Project implementation (e.g., remove invasive species, soil preparation, planting, maintenance, protect site from vandals/critters, conduct monitoring, implement mid-course corrections as needed)	16
VI. Evaluation and publicity (Conduct ecological evaluation of project, assess monitoring data, publicize and prepare written account of project)	6

Total

44

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