Clackamas Community College

Online Course/Outline Submission System

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Section #1 General Course Information

Department: Horticulture

Submitter

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Course Prefix and Number: HOR - 244

 # Credits: 3

Contact hours

Lecture (# of hours): 33
Lec/lab (# of hours):
Lab (# of hours):   11
Total course hours: 44

For each credit, the student will be expected to spend, on average, 3 hours per week in combination of in-class and out-of-class activity.

Course Title: Environmental Landscape Design

Course Description:

Overview of landscape design features that will benefit the natural environment, provide habitat for wildlife and require minimal inputs of energy, water and other materials. Includes basic design concepts, terminology and techniques, as well as ideas for marketing of sustainable designs. Class includes a lab component.

Type of Course: Career Technical Preparatory

Is this class challengeable?

Yes

Can this course be repeated for credit in a degree?

No

Is general education certification being sought at this time?

No

Does this course map to any general education outcome(s)?

No

Is this course part of an AAS or related certificate of completion?

Yes

Name of degree(s) and/or certificate(s): Landscape AAS & Certificate

Are there prerequisites to this course?

No

Are there corequisites to this course?

No

Are there any requirements or recommendations for students taken this course?

No

Are there similar courses existing in other programs or disciplines at CCC?

No

Will this class use library resources?

No

Is there any other potential impact on another department?

No

Does this course belong on the Related Instruction list?

No

GRADING METHOD:

A-F or Pass/No Pass

Audit:Yes

When do you plan to offer this course?

✓ **Winter**

✓ **Not every year**

Is this course equivalent to another?

If yes, they must have the same description and outcomes.

No

Will this course appear in the college catalog?

Yes

Will this course appear in the schedule?

Yes

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. demonstrate site analysis, use of design tools, terminology, and techniques;
2. determine the appropriate use of plant species for specific landscape habitats, and which will attract and enhance the wildlife environment;
3. describe options for the establishment of ecological systems for wildlife habitats through landscaping,
4. sketch landscape designs which includes effective utilization of environmental design concepts.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Basic Landscape Design concepts.
2. Sustainability in Landscape Design.
3. Landscaping for Wildlife.
4. Using Pacific NW Native Plants in Design.
5. Energy use in the Landscape.
6. Windbreaks.
7. Ecologically Sound Landscape Materials.
8. Bioswales.
9. Green Streets.
10. Rain Gardens.
11. Xeriscaping.
12. Ecoroofs.
13. Greenwalls and erosion control.
14. Façade greening.
15. Bioremediation.
16. Street Trees and Urban Forestry.
17. Edibles in the Landscape.
18. Waterwise design practices and benefits.
19. Marketing sustainable designs.

Does the content of this class relate to job skills in any of the following areas:

1. Increased energy efficiency	**No**
2. Produce renewable energy	**No**
3. Prevent environmental degradation	**Yes**
4. Clean up natural environment	**Yes**
5. Supports green services	**Yes**

Percent of course:90%

First term to be offered:

4/3/2014

Specify term: Winter 2015