

**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 - 111**# Credits:**2**Contact hours**

Lecture (# of hours): 11

Lec/lab (# of hours):

Lab (# of hours): 33

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:**Horticulture Practicum/Fall**Course Description:**

Practical experience with seasonal horticulture activities in the areas of container & field nurseries, greenhouses, landscape management and organic food production. 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):** Horticulture AAS & Certificate, Landscape AAS

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?

**✓ Fall**

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 skills in the efficient use of horticultural tools and equipment and the proper maintenance of these tools,
- 2.demonstrate safe use of personal protective equipment when working with tools and power equipment,
- 3.demonstrate bed preparation and planting techniques for vegetable crops and cover crops,
- 4.demonstrate skills in industry-standard landscaping and nursery practices in preparation for winter,
- 5.demonstrate skills in propagating plants from seeds and cuttings in the greenhouse environment,
- 6.describe seasonal organic farming, nursery and landscaping activities required to maintain healthy plants.

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***This course does not include assessable General Education outcomes.***

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Major Topic Outline:

- 1.Use and Maintain Hand Tools.
  - a.Tool storage (methods and reasons).
  - b.Proper use of hand tools.
  - c.Maintain hand tools through appropriate cleaning, sharpening and lubricating.
- 2.Power Equipment.
  - a.Types of equipment used in the greenhouse, nursery and landscape.
  - b.Safe operation of power equipment in the greenhouse, nursery and landscape.
3. Nursery/Greenhouse.
  - a.Methods and applications for overwintering plants.
  - b.Seed and cutting propagation.
  - c.Efficient methods for potting up container plants.
  - d.Grading and digging trees, shrubs and herbaceous plants.
- 4.Landscape Practices.
  - a.Preparing the landscape for winter.
  - b.Preparing the planting site.
  - c.Fertilizers, support systems and pruning.
  - d.Cultivation practices.
  - e.Transplanting trees, shrubs and herbaceous plants.
- 5.Food production practices.
  - a.Preparing beds for planting.
  - b.Planting winter food crops.
  - c.Preparing beds for winter.
  - d.Season extension practices.

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

- |                                      |            |
|--------------------------------------|------------|
| 1. Increased energy efficiency       | <b>No</b>  |
| 2. Produce renewable energy          | <b>No</b>  |
| 3. Prevent environmental degradation | <b>Yes</b> |
| 4. Clean up natural environment      | <b>Yes</b> |
| 5. Supports green services           | <b>No</b>  |

Percent of course:10%

First term to be offered:

**Specify term:** Fall 2014

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