Clackamas Community College

Online Course/Outline Submission System

☑ Show changes since last approval in red

HOR-141 Organic Farming Practicum / Spring
General education certified: ○ Yes ◉ No

☐ Writing
☐ Oral Communication
☐ Arts and Letters
☐ Science & Computer Science
☐ Mathematics
☐ Social Science
☐ Cultural Literacy
☐ Health & Physical Education

☐ Approved Date (mm/dd/yyyy): / /

Section #1 General Course Information

Department: Horticulture

Submitter

First Name: Renee
Last Name: Harber
Phone: 503-594-3294
Email: rharber@clackamas.edu

Course Prefix and Number: HOR - 141

 # Credits: 4

Contact hours

Lecture (# of hours):
Lec/lab (# of hours): 88
Lab (# of hours):

Total course hours: 88

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: Organic Farming Practicum / Spring

Course Description:

Essential organic farming practices, including seasonal activities such as production of transplants, direct seeding, weed control strategies, building raised beds in the field, equipment operations, and soil, water and fertilizer management. Also covers preparation of the finished crop for market, transportation, display and marketing. Field trips to area farms included. Class lecture, field trips, and lab are essential components of this course. This format has been selected to create a hands-on experience for each student in seasonal crop 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): Organic Farming 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?

Yes

Have you talked with a librarian regarding that impact?

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?

Spring

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 efficient use of crop production tools and equipment and the proper maintenance of these tools,
2.describe a niche specific marketing/distribution plan, and the crop quality standards for the following: wholesale, farmers market, and CSA sales,
3.demonstrate knowledge of industry standard crop production methods for transplanted and direct seeded crops,
4.describe greenhouse structures and equipment and their uses,
5.describe and apply control of the environmental factors that produce quality transplants,
6.demonstrate knowledge of soil health and fertility management for organic crop production systems,
7.create a fertilization and amendment plan for a specific location based on soil test results,
8.apply effective, timely, and scale appropriate weed management strategies according to specific crop and market needs, with attention to labor time and ergonomics.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1.Distribution.
a.Labeling.
b.Plant preparation & handling.
c.Methods of transportation.
d.Display and marketing.
2.Farm Production Skills.
a.Greenhouse propagation of transplants
b.Raised bed building
c.Direct seeding and transplanting
d.Production methods for specific crops
e.Use of crop productions tools and equipment
3.Soil Science
a.Analysis and identification of soil textures and fertility.
b.Soil structure.
c.Soil porosity, water holding capacity, and cation exchange capacity
d.Soil amending materials and mulch

e.Analysis of soil test results
4.Weed Management
a.Control strategies
b.Control equipment
c.OMRI approved products and their use
d.Life cycles and prevention
e.Common weeds in OR vegetable production

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	No
5. Supports green services	Yes

Percent of course: 90%

First term to be offered:

Specify term: Spring 2017
