

Clackamas Community College
Online Course/Outline Submission System

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Section #1 General Course Information

Department: Horticulture

Submitter

First Name: Renee

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Course Prefix and Number: HOR - 135

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: Propagation of Edible Plants

Course Description:

Reproduce food plants using a variety of methods, including seed, cutting and grafting techniques. Instruction will focus on methods suitable for sustainable farm operations. 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): Urban Agriculture AAS, Horticulture 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?

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?

Winter

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. perform a variety of propagation methods, including direct seeding, cuttings and grafting;
2. describe when and why a given method of propagation would be selected,
3. use record keeping systems to track and determine the success of propagation protocols for a variety of food crops.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Achieving crop production success through seasonal propagation decisions.
2. Common pests and strategies for prevention and control within greenhouse structures.
3. Cost accounting for propagation materials and methods utilized.
4. Crop/Varietal selection for:
 - a. High-value crops.
 - b. Increased nutritional value.
 - c. Productive variety selection.
 - d. Extension of harvest.
5. Developing seed saving systems.
6. Exploration of plant reproduction within ecological farming systems.
7. Facilities, structures, equipment, media, containers, irrigation, and record keeping for plant propagation and replication of food plants for organic farming.
8. Scheduling propagation of specific varieties to achieve four season harvest.
9. Seed and seedling biology and cultural requirements specific to plant reproduction.

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: **25%**

First term to be offered:

Next available term after approval

:
