

Clackamas Community College

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Section #1 General Course Information**Department:**Horticulture**Submitter**

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Course Prefix and Number:HOR - 237**# Credits:**2**Contact hours**

Lecture (# of hours): 20

Lec/lab (# of hours):

Lab (# of hours):

Total course hours: 20

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:Disease Identification**Course Description:**

Identification of ornamental plant diseases which occur in greenhouses, landscapes, nurseries, and farms.

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?

✓ **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. list essential characteristics of fungi, bacteria, viruses, and nematodes;
2. apply the systematic approach to diagnosing plant damage,
3. list the stages of development in a plant disease,
4. locate specific plant disease information in the Pacific Northwest Disease Control Handbook,
5. analyze the likelihood of plant disease occurrence using the disease triangle or tetrahedron concept,
6. compare various plant disease control approaches,
7. memorize selected plant disease life histories,
8. create a plan appropriate for limiting the spread of *Phytophthora ramorum*- caused leaf blight to plants of importance in the Willamette Valley.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Categories of causal agents of plant diseases.
2. Systematic approach to diagnosing plant diseases.
3. General diseases common to many plants.
4. Common diseases of specific plant genera.
5. IPM for Plant disease control.

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 | No |

Percent of course: **10%**

First term to be offered:

Specify term: Winter 2015
