

**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 - 216

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**# Credits:**3**Contact hours**

Lecture (# of hours): 33

Lec/lab (# of hours):

Lab (# of hours):

Total course hours: 33

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.

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**Course Title:**Integrated Pest Management**Course Description:**

Learn the components of, and develop an Integrated Pest Management (IPM) plan for landscape, nursery, greenhouse or agricultural industries. The plan will incorporate pest detection, control practices and an evaluation of effectiveness.

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**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 & Certificate, Urban Ag 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**

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. define Integrated Pest Management (IPM),
2. explain the steps involved in developing an IPM program,
3. describe the range of pest sampling systems and action thresholds,
4. determine the available pest control measures,
5. describe the process used to evaluate an IPM program,
6. design an IPM program for a Willamette Valley crop or growing system,
7. discuss weed, disease and insect problems and their control methods.

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

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**Major Topic Outline:**

1. Definition, advantages and challenges of an Integrated Pest Management program.
2. Steps in developing an IPM program.
3. Designing a monitoring program.
4. Sampling techniques and procedures.
5. Using pest models.
6. Monitoring and record keeping.
7. Record interpretation.
8. Understanding pest thresholds (action, economic, aesthetic or injury).
9. Regulatory concerns.
10. Understanding treatment options.
11. Decision making parameters.
12. Program evaluation and revision.
13. Relationship of plants with weed, disease and insect pests.
14. Control methods for weed, disease and insect pests.

**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>Yes</b> |

Percent of course:80%

**First term to be offered:**

**Specify term:** Winter 2015

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