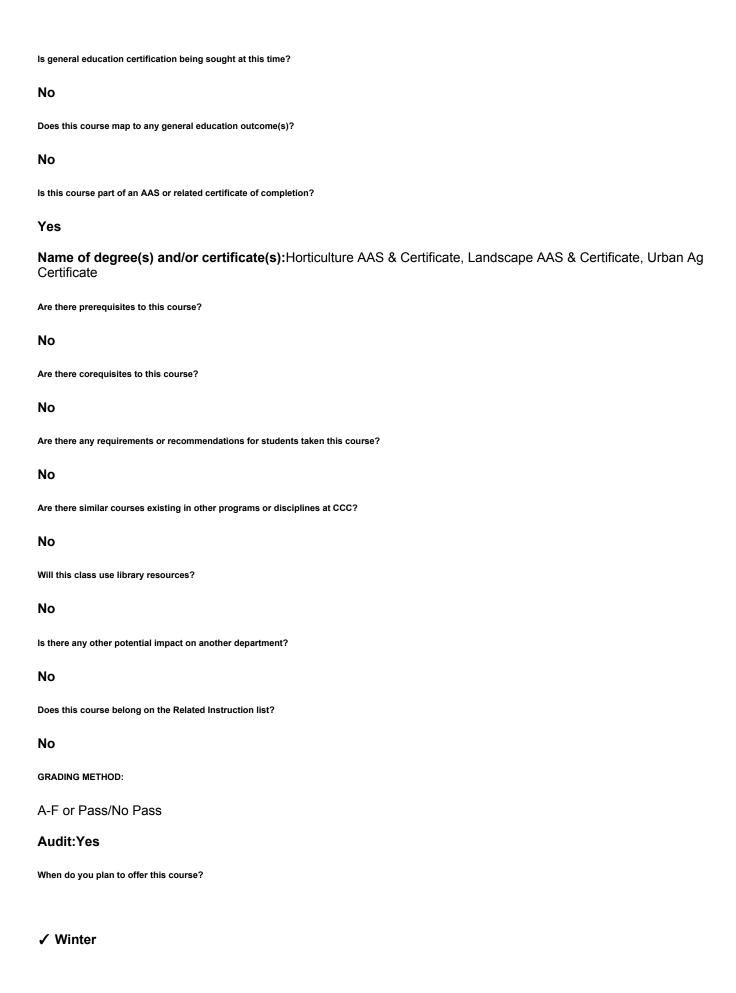
# **Clackamas Community College**

Online Course/Outline Submission System

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Section #1 General Course Information
Department:Horticulture
Department. To thousand
Submitter
First Name: Renee
Last Name: Harber
Phone: 3294 Email: rharber
Elifaii. Haibei
Course Prefix and Number: HOR - 216
# Credits:3
# 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.
Course Title Integrated Deet Management
Course Title:Integrated Pest Management
Course Description:
Learn the common test of and develop an late mated Deat Management (IDM) also fee lands are a
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.
Type of Courses/Career Technical Proparatory
Type of Course:Career Technical Preparatory
Is this class challengeable?
Yes

No

Can this course be repeated for credit in a degree?



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.

This course does not include assessable General Education outcomes.

## **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:

Increased energy efficiency
 Produce renewable energy
 Prevent environmental degradation
 Clean up natural environment
 Supports green services

No
Yes
Yes

Percent of course:80%

First term to be offered:

Specify term: Winter 2015