

## Clackamas Community College

### Online Course/Outline Submission System

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#### Section #1 General Course Information

**Department:** Horticulture

**Submitter**

First Name: **April**

Last Name: **Chastain**

Phone: **3055**

Email: **april.chastain**

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**Course Prefix and Number:** HOR - 142

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**# Credits:** 3

**Contact hours**

Lecture (# of hours): **22**

Lec/lab (# of hours): **22**

Lab (# of hours):

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.

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**Course Title:** Greenhouse Crops/Bedding Plants

**Course Description:**

Detailed study of environmental influences on individual crops, their requirements, scheduling, including annual, biennial, and perennial plant production. Class includes a lab component.

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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

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. explain the efficient use of greenhouse production tools and equipment and learn to manipulate the greenhouse environment in order to influence plant quality;
2. distinguish among the important components of effective mixed baskets using aesthetically pleasing and culturally appropriate varieties;
3. demonstrate skills to identify major varieties;
4. identify pest management systems, which include integrated pest management strategies, and pesticide selection as well as pesticide application equipment;
5. develop a fertilization program for pack, potted, and basket crops.

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

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**Major Topic Outline:**

1. Flowering Crops and Bedding Plants.
  - a. Crop identification.
2. Environmental Influences on Plant Growth.
  - a. Soils, fertilizers, and water.
  - b. Crop scheduling/propagation.
  - c. Crop quality in the greenhouse and the market place.
3. Identification & Control of Greenhouse Pests and Diseases and Systems to Prevent and Control These.
4. Diagnosis of Plant Disorders and Systems to Prevent and Control Disorders.
5. Equipment Used in the Greenhouse Industry.
6. Value-Added Crops.
  - a. Mixed baskets.
  - b. Hanging baskets.
7. Crop Scheduling & Marketing.
8. Post Production Programs.

**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 **No**
- 4. Clean up natural environment **No**
- 5. Supports green services **No**

Percent of course: 0%

First term to be offered:

**Specify term:** Spring 2018

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