

## 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 - 123

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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:** Landscape Maintenance

**Course Description:**

Principles and practices of sustainable landscape maintenance, plant growth and development, soil-water-fertilizer management, pruning, turf, pest control, diagnosis of problems in trees and shrubs, and maintenance scheduling. 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):** Landscape AAS & 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?

**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?

✓ **Fall**

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. evaluate plant health and develop action plans to correct plant problems;
2. develop a year-long landscape maintenance schedule for a landscape site;
3. evaluate soil compaction and describe the effect on soil compaction upon plant growth;
4. develop a bid proposal for a landscape using the full take-off method;
5. perform landscape maintenance activities.

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

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**Major Topic Outline:**

1. Plant Replacement.
  - a. Diagnosing problems.
  - b. Selecting new plants for a site.
  - c. Proper planting practices.
2. Turf Management Practices.
  - a. Mowing: quality and production.
  - b. Proper planting practices.
3. Plant Management Practices.
  - a. Fertilization: Formulations and techniques.
  - b. Irrigation systems including annual maintenance.
  - c. Soil management systems and schedules.
  - d. Pruning systems and schedules.
  - e. Preventive maintenance and repair schedules.
4. Diagnosing and Treating Problems.
  - a. The diagnostic approach.
  - b. Non-infectious disorders.
  - c. Insects and diseases.
  - d. IPM – Integrated Pest Management programs.
5. Landscape Maintenance Planning and Estimating.

- a. Specifications.
- b. Forms and schedules.
- c. Estimating and bidding practices.
- d. Sales and public relations.
6. Considerations for sustainable landscapes.

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: **50%**

First term to be offered:

**Specify term:** **Fall 2017**

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