

**Clackamas Community College**  
Online Course/Outline Submission System

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

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**Course Prefix and Number:** HOR - 262**# Credits:** 2**Contact hours**

Lecture (# of hours):

Lec/lab (# of hours):

Lab (# of hours): 66

Total course hours: 66

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:** Aerial Treework Practicum I**Course Description:**

Experience with the implementation of basic requirements, equipment and techniques employed by arborists who work aloft. Covers personal protective equipment, safe operation, and common cutting techniques in accordance with current industry standards. Students operate chainsaws in a variety of field exercises, and will gain exposure to other pieces of industry equipment, such as chipper, truck and trailer, and aerial lift. Students will participate as members of a crew, gaining introductory experience in tree pruning, rigging, hardware installation, electrical hazard awareness, aerial rescue, ground work, and work site management. Class is a lab.

**Type of Course:** Career Technical Preparatory**Reason for the new course:**

New Arboriculture program course.

**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):** Arboriculture AAS**Are there prerequisites to this course?****Yes****Pre-reqs:** HOR-115, HOR-131, HOR-239**Have you consulted with the appropriate chair if the pre-req is in another program?****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.perform basic aerial tree operations,
- 2.perform ground operations required for tree pruning and removal,
- 3.select appropriate site management practices.

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

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Major Topic Outline:

1.Perform basic aerial tree operations, including:

- a.Climbing equipment and use
- b.Appropriate line placement
- c.Ascending and descending techniques
- d.Moving around in the tree
- e.Pruning operations within tree
- f.Chainsaw operation
- g.Rigging procedures
- h.Cabling procedures
- i.Tree removal procedures
- j.Aerial rescue
- k.Aerial lift operation
- l.Tree inspection
- m.Hazard awareness

2.Perform ground operations required for tree pruning and removal

- a. Communication system between aerial and ground workers
- b. Tree pruning and removal work on the ground & ladder
- c. Safety precautions
- 3. Select appropriate site management practices
- a. Communication with public near work area
- b. Protecting the landscape during tree operations
- c. Staging the site
- d. Hazard awareness
- e. Traffic & noise considerations
- f. Placement of chipper
- g. Backing up truck & trailer

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: 30%

First term to be offered:

**Specify term:** Fall 2017

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