

Clackamas Community College

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

First Name: Renee

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Course Prefix and Number:HOR - 224

Credits:3**Contact hours**

Lecture (# of hours): 33

Lec/lab (# of hours):

Lab (# of hours): 11

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.

Course Title:Landscape Installation**Course Description:**

Materials and practices in landscape installation, including plan reading, materials take-off, estimating, bidding, scheduling, grading, construction materials, and plant installation. Class includes a lab component.

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, 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?

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. read and understand landscape blueprint symbols, scale, diagrams and detail drawings;
2. develop takeoff lists including quantity required from blueprints for plants and materials,
3. describe proper soil preparation, techniques and equipment used,
4. plant trees, shrubs and turf correctly;
5. survey the landscape for slope, determine cut or fill requirements and grade landforms;
6. develop a bid proposal for landscape construction using the full take-off method.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Landscape plan reading.
 - a. Plan symbols - construction detail.
 - b. Scale size.
2. Surveying.
 - a. Contour maps.
 - b. Slope.
 - c. Grading.
 - d. Gradients, cuts and fills.
3. Soil drainage.
 - a. Surface drainage.
 - b. Sub-surface drainage.
 - c. Types of drainage systems and equipment.
 - d. Drainage system installation.
4. Soil preparation.
 - a. Soil amendments.
 - b. Final grade.
 - c. Turf preparation.
 - d. Sod installation and follow-up.
 - e. Seeding.
5. Construction material.
 - a. Wall and paving materials and methods.
 - b. Wood grades and uses.
 - c. Fence and deck materials and methods.
 - d. Working with concrete.
6. Plant and planting methods.
 - a. Wholesale and retail market.
 - b. Digging a planting hole and plant location.
 - c. Staking large plants.
7. Finish work.

- a. Care following planting.
- b. Plant warranties.
- 8. Landscape contracting requirements.
 - a. Estimating and bidding.
 - b. Customer relations.
 - c. State contractor licensing.

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 | Yes |
| 4. Clean up natural environment | No |
| 5. Supports green services | No |

Percent of course:20%

First term to be offered:

Specify term: Fall 2014
