

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 - 145

Credits:2**Contact hours**

Lecture (# of hours):

Lec/lab (# of hours): 44

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.

Course Title:Turf Installation & Maintenance**Course Description:**

Installation and maintenance practices for turf grasses commonly used in landscapes. Emphasizes sustainable maintenance practices, installation, irrigation, pest identification and pest control. 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 & Certificate, 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?

✓ 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. identify cool season turf grass species and their cultural requirements,
2. describe turf growth, development and turf grass anatomy;
3. describe the environmental factors affecting turf growth,
4. follow turf cultural practices to improve turf,
5. calculate the proper quantities of fertilizer to apply in order to meet recommendations,
6. install turf areas and renovate existing turf areas,
7. identify and control turf pests,
8. describe job opportunities in the turf industry.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Exploring Job Opportunities in the Turfgrass Industry.
 - a. Job opportunities.
 - b. Job skills.
2. Cool Season Turfgrasses.
 - a. Turf and lawn defined.
 - b. Vegetative characteristics.
 - c. Parts of a grass plant.
 - d. Turf genus, species, and varieties for cool season areas.
 - e. Cultural requirements.
3. Warm Season Turfgrasses.
 - a. Comparison of warm and cool season turfgrasses.
 - b. Pertinent facts about the common grasses.
4. Turfgrass Environment.
 - a. Micro vs. Macro-environment.
 - b. Light.
 - c. Temperature.
 - d. Water.
 - e. Air.
 - f. Soil.
 - g. Traffic.
5. Turfgrass Cultural Practices.
 - a. Mowing.
 - b. Fertilization.
 - c. Irrigation.
 - d. Cultivation and thatch.
 - e. Aeration and soil compaction.
 - f. Establishment.

- g. Pest control system and IPM.
- h. Sustainable practices.

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:10%

First term to be offered:

Specify term: Spring 2014
