

Clackamas Community College
Online Course/Outline Submission System

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Section #1 General Course Information

Department: Education, Human Services and Criminal Justice

Submitter

First Name: Marc
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Course Prefix and Number: FRP - 102

Credits: 1

Contact hours

Lecture (# of hours):
Lec/lab (# of hours):
Lab (# of hours): 33
Total course hours: 33

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: Basic Forest Management Lab

Course Description:

Provides lab exercises in a forest setting experience using forest management field equipment discussed in FRP-101. The Lab includes the use of diameter tape, loggers tape, compass, clinometer, increment borer and wedge prism to measure tree height, diameter, tree age, diameter increment and basal area. Through the use of fixed plot and variable plot forest sampling methods the students will gain the skills to gather data necessary to calculate stocking, volume and growth.

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): Fire Science (Wildland) certificate; Basic Forest Management Certificate

Are there prerequisites to this course?

No

Are there corequisites to this course?

Yes

Co-reqs: FRP-101

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?

- ☐ Summer
☐ Fall
☐ Winter
☐ Spring
☒ ✓ Not every term
☐ Not every year

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. demonstrate correct use of forest management equipment including diameter tape, loggers tape, clinometer, increment borer and wedge prism;
2. demonstrate the ability to measure tree diameter, tree height, tree age, tree diameter increment and tree basal area;
3. identify the process and use of fixed plot and variable plot sampling methods,
4. calculate stocking, volume and growth from the gathered data.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Use of Maps and Aerial Photos in Forest Management
2. Compass Use and Determining Bearings
3. Measuring tree diameter, height, growth and age
4. Tree Volume and Diameter Growth Increment
5. Fixed Plot Forest Sampling and Conducting a Fixed Plot Cruise
6. Calculation of Stocking, Volume and Growth from Fixed Plot Measurements
7. Basal Area Measurement and Variable Plot Forest Sampling
8. Conducting a Variable Plot Cruise
9. Calculation of Stocking, Volume and Growth Variable Plot Measurements

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:

Next available term after approval
:
