# **Clackamas Community College**

Online Course/Outline Submission System

### **Section #1 General Course Information**

**Department: WAFE** 

Submitter

First Name: Jeff
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Course Prefix and Number: FRP - 244

# Credits: 3

Contact hours

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

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: Wildnerness II: Basic Land Navigation (S-244)

Course Description:

Students will learn how to make and document field observations, how to produce hand drawn and GPS field maps, and how to navigate using a map, compass, and GPS.

Type of Course: Career Technical Preparatory

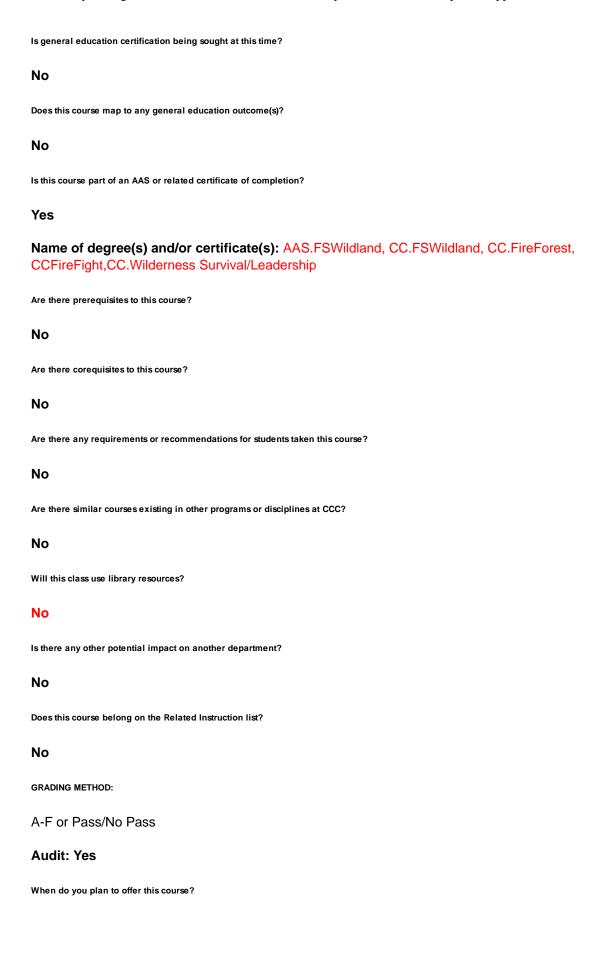
Is this class challengeable?

No

Can this course be repeated for credit in a degree?

No

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## √ Not every term

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. Interpret features on topographic maps.
- 2. Explain land descriptions as well as distance and direction.
- 4. collect and interpret maps and document field observations.
- 5. navigate a course to a given location utilizing a map, compass, GPS and "smart" device.

This course does not include assessable General Education outcomes.

#### **Major Topic Outline:**

- 1. Purpose of maps,
- 2. Classification of maps,
- 3. Map legend,
- 4. Grid location system,
- 5. Rectangular land description system,
- 6. Determining size of area,
- 7. Topographic relief,
- 8. Determining Slope,
- 9. Determining distance,
- 10. Compass components and taking a bearing.

Does the content of this class relate to job skills in any of the following areas:

Increased energy efficiency
 Produce renewable energy
 Prevent environmental degradation
 Clean up natural environment
 Supports green services

Percent of course: 0%

First term to be offered:

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# Next available term after approval

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