

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 - 250

Credits: 1

Contact hours

Lecture (# of hours):

Lec/lab (# of hours): 20

Lab (# of hours):

Total course hours: 20

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: Wilderness VI: Basic Tool Use and Care

Course Description:

Selection, operation, and maintenance of power driven machines, such as chain saws, and hand tools to include shovels, Pulaski, single and double bit axes, hand saws, machetes and various other tools used in forestry, firefighting and survival activities. Class includes a lab component.

Type of Course: Career Technical Preparatory

Reason for the new course:

Course will serve as a prerequisite to FRP-212.

Is this class challengeable?

No

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): cc.fswildland

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?

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: No

When do you plan to offer this course?

✓ **Winter**

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 the fundamentals of small 2 and 4-cycle engine operation;
2. evaluate common engine problems to keep small engines operating;
3. operate and perform basic maintenance of power saws and hand tools common to forestry, firefighting and wilderness survival;
4. demonstrate the safety procedures for power saw and hand tool operation.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Fundamentals of gas engine operation and maintenance.
 - a. Power saw parts identification.
 - a1. 2 cycle.
 - b. Air filtering systems.
 - c. Fuel and fuel systems.
 - d. Lubrication and cooling systems.
 - e. Ignition and electrical systems.
 2. Preventative maintenance.
 - a. General maintenance.
 - a1. Schedules.
 - a2. Procedures.
 - b. Winterizing engines and equipment.
 3. Troubleshooting.
 4. Equipment safety.

5. Tool identification.
 - a. Mechanic hand tools.
 - b. Selection of equipment price and quality.
6. Equipment Operation
 - a. chainsaw
 - b. shovel
 - c. Pulaski
 - d. single bit axe
 - e. double bit axe
 - f. Machete
7. Function of specific equipment.

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:

Specify term: Winter 2017
