

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

Last Name: Crain

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Email: marccr@clackamas.edu**Course Prefix and Number:** FRP - 211**# Credits:** 2**Contact hours**

Lecture (# of hours): 22

Lec/lab (# of hours):

Lab (# of hours):

Total course hours: 22

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: Portable Pumps and Water Use (S-211)**Course Description:**

Basics of portable pumps and water hydraulic systems used to extinguish wildland fires. Includes classroom and field exercises.

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

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?

Yes

Recommendations: It is recommended that students complete the FRP-130 Introduction to Wildland Firefighting course prior to taking this course.

Requirements: None

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?

✓ **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. demonstrate the operation and maintenance of the fire pump,
2. demonstrate the use of the equipment used to support the fire pump operation,
3. apply basic hydraulic calculations used to operate the fire pump at the appropriate pressure,
4. successfully complete a pumping operation during the field exercises.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Portable fire pumps and their use for wildland firefighting.
2. Accessory equipment used in support of the fire pump.
3. Safety during the set up and pumping operations.
4. Assembly procedures for connecting the support equipment to the fire pump.
5. Proper operation and maintenance of the fire pump.
6. Field exercises to demonstrate basic fire pump operations skills.

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

: