

**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

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**Course Prefix and Number:** FRP - 290

**# Credits:** 3

Contact hours

Lecture (# of hours): 32

Lec/lab (# of hours):

Lab (# of hours):

Total course hours: 32

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:** Intermediate Wildland Fire Behavior (S-290)

Course Description:

This course provides the student with the basic skills to determine the characteristics of fuels (vegetation) when involved in a wildland fire, the effects weather has on a wildland fire, the various topographic features that impact wildland fire and the fire behavior patterns of a wildland fire.

**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?

Yes

**Pre-reqs:** FRP-130 (S-130/S-190/L-180)

**Have you consulted with the appropriate chair if the pre-req is in another program?**

Yes (A 'Yes' certifies you have talked with the chair and have received approval.)\*

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: 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. identify and describe the characteristics of fuel, weather and topography that influences fire behavior;
2. describe the interaction of fuels, weather, topography and wildland fire behavior on fireline tactics and safety;
3. assess the causes of extreme fire behavior development based on the factors of weather, topography, fuels and fire behavior;
4. interpret, apply and document wildland fire behavior and weather information.

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***This course does not include assessable General Education outcomes.***

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Major Topic Outline:

1. The fire environment.
2. Topographic influences on wildland fire behavior.
3. Fuels and fuel moisture.
4. Basic weather processes.
5. Temperature and humidity relationships.
6. Atmospheric instability.
7. Wind.
8. Weather observations.
9. Extreme wildland fire behavior.
10. Gauging fire behavior and guiding fire line decisions.

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

- |                                      |           |
|--------------------------------------|-----------|
| 1. Increased energy efficiency       | <b>No</b> |
| 2. Produce renewable energy          | <b>No</b> |
| 3. Prevent environmental degradation | <b>No</b> |
| 4. Clean up natural environment      | <b>No</b> |
| 5. Supports green services           | <b>No</b> |

Percent of course: 0%

First term to be offered:

Next available term after approval

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