

## 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 - 271

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**# Credits:** 4

**Contact hours**

Lecture (# of hours): 40

Lec/lab (# of hours):

Lab (# of hours):

Total course hours: 40

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.

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**Course Title:** Helicopter Crewmember (S-271)

**Course Description:**

The course provides the student with the helicopter aviation classroom and field training required for the Helicopter Crew Member (HECM) position for wildland firefighting operations and support activities. Through exercises the students will demonstrate proper radio communications with helicopters, the identification and application of helicopter performance/limitations and load calculations, the application of standard risk management and safety principles and the proper techniques for preparing equipment or passengers for a helicopter mission.

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**Type of Course:** Career Technical Preparatory

**Reason for the new course:**

This course would be the second in the series of aviation courses offered at CCC. This course is a requirement for a wildland firefighter to perform as crew member on helicopter used in wildland firefighting and support operations.

Offering this course would meet a regional need for training helicopter crew members.

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):** Wildland Fire certificate

Are there prerequisites to this course?

**Yes**

**Pre-reqs:** Successful completion of FRP-130 and FRP-270

**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?

**Yes**

**Recommendations:** None

**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. perform the duties of a Helicopter Crew Member while operating in support of a wildland fire or other incidents or events that requires aviation resources,
2. demonstrate effective verbal and written communications between ground crews and air crews,
3. identify helicopter flight performance limitations and load calculations,
4. identify risk management issues for flight operations,
5. define operational safety,
6. identify appropriate sites and use of heli-spots for loading and unloading

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

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**Major Topic Outline:**

1. Personal readiness for working in and around helicopters.
2. Creating successful crew member relationships.
3. ICS concepts and principles.
4. Helicopter performance, limitations and load calculations.
5. Risk Management.
6. Operational safety.
7. Heli-spot operations.
8. Demobilization.
9. Field exercises.

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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