

Clackamas Community College
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Section #1 General Course Information

Department: Education, Human Services & Criminal Justice

Submitter

First Name: Yvonne

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Course Prefix and Number: EM - 150

Credits: 1

Contact hours

Lecture (# of hours): 10

Lec/lab (# of hours):

Lab (# of hours):

Total course hours: 10

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: Retrofitting Flood Prone Residential Structures

Course Description:

This course provides the essential, non-technical information about retrofitting existing flood-prone residential structures in compliance with applicable flood plain regulations.

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): Emergency Management AAS

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:

Pass/No Pass Only

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?

No

Will this course appear in the schedule?

No

Student Learning Outcomes:

Upon successful completion of this course, students should be able to:

1. identify basic retrofitting methods appropriate for residential structures in flood-prone areas,
2. describe the National Flood Insurance Program (NFIP) policy toward retrofitting flood-prone residential structures and the regulations that govern retrofitting projects,
3. define the relationship between NFIP regulations and other codes and regulations that govern retrofitting projects,
4. evaluate the suitability of retrofitting measures for individual residential structures in terms of technical parameters; home owners preferences; and federal, state and local regulations.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Introduction to retrofitting, methods, cautions and process.
2. National Flood Insurance Program (NFIP).
3. Community regulations and the permitting process.
4. Model building codes, code compatibility with the NFIP.
5. Examination of owner preferences and technical parameters.

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

:
