

Clackamas Community College
Online Course/Outline Submission System

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Section #1 General Course Information

Department: Education, Human Services & Criminal Justice

Submitter

First Name: **Yvonne**

Last Name: **Smith**

Phone: **3207**

Email: **yvones**

Course Prefix and Number: EM - 182

Credits: **2**

Contact hours

Lecture (# of hours): 20

Lec/lab (# of hours):

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: Fundamentals Radiological Emergency Response

Course Description:

Designed to meet the Operations Level Competency for responders and hazardous materials teams who may encounter or be called to manage radiological incidents. Includes support planning, emergency response, recovery activities in the event of a radiological incident.

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. explain the characteristics of ionizing radiation and factors affecting biological response to radiation including descriptions of risk in various types of radiation incidents,
2. use, and accurately read radiation detection instruments and the table "Reponse of Radiation Monitoring Instruments to Normalized Risk Quantities of Radionuclides" and use that knowledge of radiological instruments to make selections for the assessment of hypothetical radiation incidents;
3. identify warning signs, labels and placards that indicate the possible presence of radioactive material, and list basic protective actions used to limit exposure to radiation and procedures to prevent the spread of contamination;
4. develop strategies for exposure control, contamination control, and decontamination actions in hypothetical radiation incidents, based on provided descriptions.

This course does not include assessable General Education outcomes.

Major Topic Outline:

1. Scene Assessment and Management.
2. Tools and Hazard Analysis.
3. Biological effects of radiation.
4. Reading the Periodic Table of the Elements, abbreviations and conversions of radiation units.
5. Incident Command System and radiological response.
6. Triage of radiological incidents.

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

:
