

## ISAFE-114 Hazwoper 24 Hour

2 CREDITS

## SYLLABUS

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### CATALOG DESCRIPTION

The 24-hour program is specifically for hazardous waste operations. This program includes three days of hazardous waste operations instructions for employees who work with hazardous materials or respond to hazardous spills in the work location.

Prerequisites:

Semester Offered: All

#### **Common Student Learning Outcomes**

*Upon successful completion of San Juan College programs and degrees, the student will demonstrate competency in...*

##### **BROAD AND SPECIALIZED LEARNING**

Students will actively and independently acquire, apply, and adapt skills and knowledge with an awareness of global contexts.

##### **CRITICAL THINKING**

Students will think analytically and creatively to explore ideas, make connections, draw conclusions and solve problems.

##### **CULTURAL AND CIVIC ENGAGEMENT**

Students will act purposefully, reflectively, and ethically in diverse and complex environments.

##### **EFFECTIVE COMMUNICATION**

Students will exchange ideas and information with clarity in multiple contexts.

##### **INFORMATION LITERACY**

Students will be able to recognize when information is needed and have the ability to locate, evaluate, and use it effectively.

##### **INTEGRATING TECHNOLOGIES**

Students will demonstrate fluency in the application and use of technologies in multiple contexts.

*Student work from this class may be randomly selected and used anonymously for assessment of course, program, and/or institutional learning outcomes. For more information, please refer to the Dean of the appropriate School.*

### Course Learning Outcomes

Upon successful completion of the course, the student will be able to...

1. Legislation and Standards
2. Toxicology and Chemistry

3. Safety at Hazardous Materials Incidents. Fire, explosions, and radiation, including NORM. Grounding and bonding.
4. Physical Properties of Hazardous Materials, including the NFPA 704 and HIMS labeling / marking systems.
5. Informational Resources/Hazard Recognition
  - a. Includes practical research using, Data Safety Sheets (GHS), the Emergency Response Guide, and the NIOSH pocket guide.
  - b. Introduction into other electronic references.
6. Containers and Labeling in Transportation of Hazardous Waste or Hazardous Materials
7. Compatibility of Hazardous Materials and Hazardous Wastes
8. Incident Command Structure
9. Personal Protective Equipment (PPE), including the following practical's;
  - a. Donning and doffing of filtered air respirators.
  - b. Demo of a quantitative fit test
  - c. Familiarization of Self Contained Breathing Apparatus.
  - d. Selection, donning and doffing of PPE
10. Monitoring. Explaining the different monitoring options and discussing the proper procedures and limitations
11. Hazardous Materials Spill Control
12. Decontamination
13. Termination Procedure
14. Practical evolution of Hazardous Response

