

## SAFT-1310 COMMERCIAL CONSTRUCTION CONSIDERATIONS PART 1 2

### CREDITS SYLLABUS

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#### CATALOG DESCRIPTION

Course addresses construction safety that is related to ergonomics, work zone safety, healthcare facility safety, MSHA regulations, and crisis management. This course covers musculoskeletal disorders in construction, work zone hazards and liabilities, infection control, MSHA authority and crisis response. A rationale for supporting safe ergonomic practices at construction sites when establishing safe work zones, healthcare facility construction, and the regulatory requirements of the Mine Safety & Health Administration (MSHA.)

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. Identify three common musculoskeletal disorders for construction workers.
2. List key elements of roadway work-zone hazards on both sides of the barriers.
3. Explain the use of an Infection Control Risk Assessment as a tool in pre-planning healthcare construction.
4. Discuss the potential hazards associated with healthcare facility construction.
5. Describe mandatory MSHA training and reporting requirements at surface and underground mining operations.
6. Understand the regulatory differences between OSHA and MSHA.
7. Describe steps to help prevent the occurrence of a crisis.
8. Outline a crisis-response checklist to help guide the crisis response.
9. Explore the importance and role of the Internet, and social media in managing a crisis.
10. Identify what critical – incident stress debriefing is.