



SAFE-122 Excavation and Trenching

.5 CREDITS

SYLLABUS

CATALOG DESCRIPTION

This course covers OSHA standard 1926 Subpart “P” and the requirements for employers to provide training so that all employees who work near or within excavations have the understanding, knowledge, and skills necessary for the safe performance of their duties. This course provides an overall understanding of excavation and its hazards, and details the general and specific requirements when excavating and trenching in accordance with OSHA construction regulations, and is a solid foundation for employers to follow up with site-specific orientation and excavation policies.

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. *Knowledge of the OSHA Standards*
2. *The ability to perform Visual & Mechanical Soil tests*
3. *The ability to design a protective system to protect employees in an excavation according to soil type.*

