

# SYLLABUS

**COURSE #** Fire 278

**COURSE TITLE:** Trench Rescue

**# OF CREDITS:** 1

## CATALOG DESCRIPTION

This program teaches rescuers trench rescue operations, trench collapse, soil types, federal regulations, ICS, preplanning, hazard recognition and control, patient assessment and treatment considerations, stabilization, rescue and recovery, proper shoring techniques utilizing timber and specialized equipment. Both classroom lesson plans and hands-on practices in real trenches will give the student a well-rounded understanding of the typical trench collapse.

**Semester Offered:** As Needed

**Prerequisites:** None

### **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.*

## **GENERAL LEARNING OBJECTIVES**

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

1. Perform trench rescue operations in accordance with NFPA 1006 Standard for Rescue Technician Professional Qualifications.

## **SPECIFIC LEARNING OUTCOMES**

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

1. Conduct a size-up of a collapsed trench
2. Implement a trench emergency action plan
3. Implement support operations at trench emergencies
4. Construct load stabilization systems

5. Lift a load
6. Coordinate the use of heavy equipment
7. Support a nonintersecting trench as a member of a team
8. Support an intersecting trench as a member of a team
9. Install supplemental sheeting and shoring for each 0.61 m (2 ft) of depth dug below an existing approved shoring system
10. Release a victim from entrapment by components of a collapsed trench
11. Remove a victim from a trench
12. Terminate a trench emergency incident

### **ATTENDANCE**

1. Students are expected to attend all class sessions. Instructors will take attendance.
2. Absences do not relieve students of the responsibility for missed assignments.
3. Students must take the initiative in arranging with their instructors to make up missed work if applicable.
4. Absences are graded as follows:
  - a. 0 = 100%
  - b. 1 = 70%
  - c. 2 = 0%

### **GRADING**

The student must succeed in obtaining a 70% or better average in order to pass this class.

Attendance = 25%

Final Exam = 25%

JPR = 50%

A 70% or better is required in each category listed above in order to pass.

The following grading scale will be used for the calculation of grades:

A = 90 to 100%

C = 70 to 79%

F = 59% or less

B = 80 to 89%

D = 60 to 69%

### **HEALTH BACKGROUND STUDENT NOTICE**

- Students should consult with the program director to discuss specific circumstances.

### **TERMINATION POLICY**

Any student who refuses to follow reasonable directions given by an instructor or acts in an unsafe manner will be asked to leave class and may be terminated. Any student may also be terminated from any Fire Science course if at any time they are performing to a level that presents a risk to themselves and/or others while in class.

Syllabus developed by \_\_\_\_\_ Date: \_\_\_\_\_

Syllabus reviewed by \_\_\_\_\_ Date: \_\_\_\_\_

**A current syllabus must be on file in the dean's office for every course being taught during a given semester.**