

Prepared by the Department Social Sciences and Human Services
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Effective: Fall 2007

1. Course Number: FSC115
Course Title: Introduction to Technical Rescue

2. Description: The student receives instruction in the basic concepts of technical rescue. An explanation of related equipment, regulations and procedures to supervise and conduct technical rescue operations are explained.

3. Student Learning Outcomes (instructional objectives; intellectual skills): Upon successful completion of this course, students are able to do the following:

- Discuss concepts, regulations, equipment, and procedures used in technical rescue operations.
- Describe practices and procedures for scene safety.
- Use equipment and procedures needed to effectively intervene in various technical rescue operations

4. Credits: 3 credits

5. Satisfies General Education Requirement: No

6. Prerequisite: None

7. Semester(s) Offered: Varies

8. Suggested General Guidelines for Evaluation:
Evaluation may include but is not limited to examinations, simulations, papers, and presentations.

9. General Topical Outline (Optional):

Course introduction and overview

1. 1st response duties
2. Initial size up and reporting

Confined spaces and hazards

1. Definitions
2. Hazard recognition
3. Permit and non permit locations

Entry Requirement

1. Confined space program and rescuer
2. Asset vs. liability status

Air monitoring

1. Combustible gases/oxygen deficient atmosphere
2. Gas and oxygen monitoring equipment
3. Understanding equipment readings

Incident Security

1. Lockout-tagout requirements

Incident Command Systems

1. Unity of command
2. Span of control

3. Resource management
4. Safety
5. Applying command system to rescue scene

Practical Usage

1. Class trip to a technical rescue unit or facility for hands on demonstration of monitoring equipment and rescue gear
2. Review of course material for Mid-Term

Summary and Mid-Term

Strategic Rescue Factors

1. Basic rescue size-up
2. Incident priorities

Ventilation and inverting

1. Theory and practice to stabilize atmosphere at scene

Safety

1. Safety for
 - A. victims
 - B. rescue personnel
 - C. Bystanders-neighbors
2. Personal protective equipment

Rescue

1. Rescue Considerations
 - A. Equipment
 - B. Initial operations
2. Victim assessment

Standard operating procedures

1. Written SOP's
2. Checklists

Rescue equipment

1. Rescue equipment and uses