JEFFERSON COLLEGE
COURSE SYLLABUS

FST 210
RESCUE PRACTICES
3 Credit Hours

Prepared
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Career & Technical Education
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FST 210 RESCUE PRACTICES
I. CATALOG DESCRIPTION

Prerequisite: FST XXX
3 Semester hours credit

Rescue Practices course is an introduction level program which leads individuals through the stages of technical rescue disciplines relating to the emergency services. The program will give emergency personnel the ability to recognize technical aspects in securing and stabilizing technical rescue incidents and the forethought in maintaining scene safety.

II. COURSE GENERAL OBJECTIVES

A. Understand the basic fundamental disciplines relating to technical rescue
B. The identification of rescue tools and equipment
C. Recognizing and identifying rescue incidents and hazards
D. The ability to develop a basic incident action plan (IAP)
E. Identify resources and equipment to mediate an emergency incident
F. Know the consequence of working outside individuals scope of training
G. Conduct basic rope techniques: knots, mechanical advantage, lowering systems, and patient packaging.

III. COURSE OUTLINE

A. Introduction to Fire Service Search and Rescue
   1. Assessing the Need for Search and Rescue Services
   2. Identifying Available Rescue Services
   3. Determination of Operational Capacity
   4. Pre-Incident Planning

B. Search and Rescue Incident Management
   1. Rescue Incident Safety
   2. Emergency Rescue Response
   3. Outside Assistance
   4. IMS of Rescue Operations
   5. Components of Search and Rescue Operations

C. Rescue Vehicle and Equipment
   1. Personal Protective Equipment (PPE)
   2. Rescue Vehicles
   3. Rescue Tools and Equipment

D. Rope Rescue
1. Operations-Level Knowledge and Skills
2. Rope Rescue Tools and Equipment
3. Knots
4. Systems
5. Tactical Considerations

E. Confined Space Search and Rescue
   1. Operations-Level Knowledge and Skills
   2. Confined Space Rescue Tools and Equipment
   3. Size-up and Hazards
   4. Tactical Considerations

F. Structural Collapse Search and Rescue
   1. Operations-Level Knowledge and Skills
   2. Confined Space Rescue Tools and Equipment
   3. Size-up and Hazards
   4. Skills
   5. Tactical Considerations

G. Trench Search and Rescue
   1. Operations-Level Knowledge and Skills
   2. Trench Failures (History)
   3. Protective Systems
   4. Size-up and Hazards
   5. Tactical Considerations

H. Elevator and Machinery Rescue
   1. Operations-Level Knowledge and Skills
   2. Elevator Rescue Operations
   3. Machinery Rescue Operations
   4. Tactical Considerations

I. Water and Ice Rescue
   1. Operations-Level Knowledge and Skills
   2. Scene Management
   3. Hazards in the Water
   4. Aquatic Rescue

J. Wilderness Search and Rescue
   1. Operations-Level Knowledge and Skills
   2. Search and Rescue Resources
   3. Search Tactics
   4. Found Person Procedures

K. Fireground Search and Rescue
   1. Building Size-up
2. Search Safety and Methods
3. Victim Removal

L. Special Rescue
   1. Rescues Involving Electricity
   2. Rescues Involving Flammable Gas
   3. Suicide Attempts

IV. UNIT OBJECTIVES

A. Introduction to Fire Service Search and Rescue

Student Should:
   1. Understand the basic principals relating to search and rescue techniques.
   2. Be able to explain the hazards and risk assessment.

B. Search and Rescue Incident Management

Student Should:
   1. Understand emergency incident safety.
   2. Understand National Incident Management System (NIMS).

C. Rescue Vehicle and Equipment

Student Should:
   1. Understand how to maintain, inspect, and care for emergency equipment.
   2. Know the limitation of PPE.
   3. Understand the differences between Self Contained Breathing Apparatus (SCBA’s) and Supplies Air Respirators (SAR’s).

D. Rope Rescue

Student Should:
   1. Know types and applications of rope.
   2. Be able to identify knots and hardware.
   3. Know limitations of ropes and hardware.
   4. Be able to tie knots with safeties.
   5. Secure patients to backboard and prepare for transport.

E. Confined Space Search and Rescue
Student Should:
1. Recognize hazards
2. Locate Victim(s)
3. Incident stabilization
4. Recognition of tools and equipment

F. Structural Collapse Search and Rescue

Student Should:
1. Recognize hazards
2. Locate Victim(s)
3. Incident stabilization
4. Recognition of tools and equipment

G. Trench Search and Rescue

Student Should:
1. Recognize hazards
2. Locate Victim(s)
3. Incident stabilization
4. Recognition of tools and equipment

H. Elevator and Machinery Rescue

Student Should:
1. Recognize hazards
2. Locate Victim(s)
3. Incident stabilization
4. Recognition of tools and equipment

I. Water and Ice Rescue

Student Should:
1. Recognize hazards
2. Locate Victim(s)
3. Incident stabilization
4. Recognition of tools and equipment

J. Wilderness Search and Rescue

Student Should:
1. Recognize hazards
2. Locate Victim(s)
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4. Recognition of tools and equipment
K. Fireground Search and Rescue

Student Should:
1. Recognize hazards
2. Locate Victim(s)
3. Incident stabilization
4. Recognition of tools and equipment

L. Special Rescue

Student Should:
1. Recognize hazards
2. Locate Victim(s)
3. Incident stabilization
4. Recognition of tools and equipment

V. METHODS OF INSTRUCTION

A. Lecture
B. Test
C. Practical’s
D. Video Presentation
E. Off Site Training and Practical’s

VI. REQUIRED TEXTBOOK

Fire Service Search and Rescue – Seventh Edition

VII. REQUIRED MATERIALS

Textbook and notebook

VIII. SUPPLEMENTAL RESOURCES

IX. METHOD OF EVALUATION

A. Distribution of the Final Grade:

50% - Written test
20% - Quizzes
20% - Practical's Skills Test
10% - Attendance

B. Assignment of Final Grade:
A – 90 to 100
B – 80 to 89
C – 70 to 79
D – 60 to 69
F – Below 60