

COURSE OUTLINE

Emergency Rescue

Course Description

FS 140. Emergency Rescue. 3 hours credit. Prerequisite: FS 100 with a “C” or better or be currently enrolled in FS 100. This course will enable the student to identify and perform rescue procedures required by emergency personnel with particular emphasis on applying current hardware and procedural developments to the area of emergency rescue. The student will research the specific hazards associated with the natural and man-made disasters that are the results of our modern, technical society.

Course Relevance

This course is designed to give the student who is going into the emergency response field a strong familiarization of the equipment and techniques used by today's emergency response personnel.

Required Materials

FS 140 Textbook:

IAFC, NFPA. (2010). *Fundamentals of technical rescue*. (1st ed.). Sudbury, MA:
Jones & Bartlett

Learning Outcomes

The intention is for the student to be able to

1. Identify and perform various rescue techniques that are current with rescue operational standards
2. Demonstrate correct use of various tools and equipment used for rescues
3. Identify safety issues inherent in the rescue scene

Primary Learning PACT Skills that will be DEVELOPED and/or documented in this course

Through the student's involvement in this course, he/she will develop his/her ability in the following primary PACT skill areas:

1. Problem Solving
 - Through analysis of information provided generate response to specific emergency situations, the student will develop problem solving skills
2. Critical Thinking
 - Through relating information and past experience from prior emergency rescue situations to current rescue techniques and trends, the student will develop critical thinking skills
3. Field Related Technology
 - Through a variety of projects, assignments and hands-on activities that provide information relating to emergency rescue, the student will develop emergency

rescue techniques

Secondary skills (developed but not documented):

- Internet Use
- Computer Literacy
- Reading
- Teamwork

Major Summative Assessment Task(s)

These learning outcomes and the primary Learning PACT skills will be demonstrated by

1. Responding to a simulated emergency rescue situation, performing rescue procedures using current hardware and procedural developments

Course Content

- I. Themes – Key recurring concepts that run throughout this course:
 - A. Safety
 - B. Knowledge of current hardware and procedural developments
- II. Issues – Key areas of conflict that must be understood in order to achieve the intended outcome:
 - A. Needs of the emergency industry
 - B. Use of specific technological skills
- III. Concepts – Key concepts that must be understood to address the issues:
 - A. Knowledge of related equipment
- IV. Skills/Competencies – Actions that are essential to achieve the course outcomes:
 - A. Explain various rescue functions and techniques
 - B. Use specific rescue equipment appropriately and safely

Learning Units

- I. Introduction to rescue services
- II. Water and ice rescues
- III. Rope rescues
- IV. Vehicle extrications
- V. Fire ground search and rescue
- VI. Confined space rescues
- VII. Structural collapse rescues
- VIII. Trench rescues
- IX. Special rescues

Learning Activities

Learning activities will be geared towards classroom lecture and discussion as well as hands-on exercises. Lecture, discussion, and hands-on are designed to enable the student with different learning styles to understand the basic principles of emergency rescue.

Grade Determination

The student will be graded on satisfactory completion of assessment tasks, learning activities, attendance, and written examination.