

Lassen Community College Course Outline

FS 80 Firefighter Survival

1.0 Unit

I. Catalog Description

This course will supply the student with a greater understanding of the need for situational awareness, firefighter survival skills, and the technical survival skills to help you avoid committing fatal errors on the fireground. Avoiding situations that could cause you to become lost, trapped, or injured is the best way to prevent tragedies at a fire scene. The Fire Fighter Survival course will aid in preventing fire fighter emergencies by teaching personnel to be resourceful when facing dangerous entrapment situations. A supplemental \$81.00 fee will be charged including a \$5.00 materials fee for student manual flash drive and a \$76.00 State Fire Training FSTEP certification fee is due to Lassen Community College and will be collected at the time of registration. Student will be expected to use and maintain SCBA and mask for use provided during class. Full Structural PPE can be provided by the college if needed but students are encouraged to bring their own if possible.

Recommended Preparation: Successful completion of ENGL 105 or equivalent multiple measures placement.

Transfer Status: NT

17 Hours Lecture, 34 Hours Outside Work: 51 Total Student Learning Hours

Scheduled: Fall, Spring

II. Coding Information

Repeatability: none

Grading Option: Graded

Credit Type:

TOP Code: 213300

III. Course Objectives

A. Course Student Learning Outcomes

Upon completion of this course the student will be able to:

1. Demonstrate an understanding of fire fighter survival terminology, survival attitude, increased situational awareness.
2. Demonstrate Self-Contained Breathing Apparatus (SCBA) knowledge and techniques for air awareness and SCBA air emergencies, and applying them during hands-on evolutions.

B. Course Objectives

Upon completion of this course the student will be able to:

1. Demonstrate Firefighter survival terminology
2. Demonstrate use of the federal government involvement to reduce firefighter injuries and fatalities and the guidelines and laws put in place from tragic fire loss events.
3. Review Firefighter fatality case study recommendations to enhance firefighter training to handle their own emergencies on the fire ground.
4. Explain techniques for developing firefighter survival attitude and identify personal equipment that fire fighters should carry in their possession for

self-preparedness measures.

5. Apply situational awareness to prevent the fire fighter emergency and recognize critical structural fire ground factors.
6. Demonstrate Self-Contained Breathing Apparatus (SCBA) knowledge and techniques for air awareness and SCBA air emergencies, and applying them during hands-on evolutions.

IV. Course Content

1. Orientation and Administration
2. Developing A Survival Attitude
3. Preventing the Fire Fighter Emergency
 - a. Understanding the collapse zone of a building
 - b. Having a working knowledge of fire streams and how they affect smoke
4. The Fire Fighter Emergency.
 - a. Trouble shooting a SCBA malfunction while the SCBA is in use
5. Fire Fighter Survival Skills.
 - a. Using air pockets in a collapsed building to breath when the SCBA fails

V. Assignments

A. Appropriate Readings

Building Construction for the Fire Service, Francis L. Brannigan and Glenn P. Corbet ρ Collapse of Burning Buildings, Vincent Dunn, 1988 ρ Firefighter Fatalities in the United States, U.S. Fire Administration, September 2009 ρ <http://www.firefighterclosecalls.com/> ρ ICS 910: Firefighter Incident Safety and Accountability Guidelines, FIRESCOPE, July 2008 ρ NFPA 101: Life Safety Code, 2009 Edition ρ NFPA 1404: Standard For Fire Service Respiratory Protection, 2006 Edition ρ NFPA 1500: Standard On Fire Department Occupational Safety And Health Program, 2007 Edition ρ NFPA 1584: Standard On The Rehabilitation Process For Members During Emergency Operations And Training Exercises, 2008 Edition ρ NFPA 1670: Standard On Operations And Training For Technical Search And Rescue Incidents, 2009 Edition ρ NFPA 1710: Standard For The Organization And Deployment Of Fire Suppression Operations, Emergency Medical Operations, And Special Operations To The Public By Career Fire Departments, 2010 Edition ρ NFPA 1852: Standard On Selection, Care, And Maintenance Of Open-Circuit Self-Contained Breathing Apparatus (SCBA), 2008 Edition ρ NFPA 1971: Standard On Protective Ensembles For Structural Fire Fighting And Proximity Fire Fighting, 2007 Edition ρ NFPA 1981: Standard On Open-Circuit Self-Contained Breathing Apparatus (SCBA) For Emergency Services, 2007 Edition ρ NFPA 1982: Standard On Personal Alert Safety Systems (PASS), 2007 Edition ρ NFPA 1983, Standard On Life Safety Rope And Equipment For Emergency Services, 2006 Edition ρ NIOSH #20000349: Commercial Structure Fire Claims The Life Of One Fire Fighter – California <http://www.cdc.gov/niosh/fire/reports/face9807.html> ρ NIOSH #20022921: Supermarket Fire Claims The Life Of One Career Fire Fighter And Critically Injures Another Career Fire Fighter – Arizona <http://www.cdc.gov/niosh/fire/reports/face200113.html> ρ NIOSH #20029424: Career Captain Dies After Running Out Of Air At A Residential Structure Fire – Michigan <http://www.cdc.gov/niosh/fire/reports/face200505.html> ρ NIOSH #20032896: Volunteer Fire Fighter Dies After Falling Through Floor Supported By Engineered Wooden-I Beams At Residential Structure Fire – Tennessee <http://www.cdc.gov/niosh/fire/reports/face200707.htm>

B. Writing Assignments

Written essay on how to avoid fire entrapment

C. Expected Outside Assignments

Student will practice maintenance of SCBA equipment

D. Specific Assignments that Demonstrate Critical Thinking

Examine critique and revise critical responsibilities relevant to past fire entrapments.

VI. Methods of Evaluation

Traditional Evaluation

Final exam and other assignments

VII. Methods of Delivery

Check those delivery methods for which, this course has been separately approved by the Curriculum/Academic Standards Committee.

Traditional Classroom Delivery Correspondence Delivery

Hybrid Delivery

Online Delivery

Traditional Classroom Delivery

Lecture, discussion, audio/visual aids, demonstration, group exercises, guest speakers, lab, individualized programs and other as needed.

VIII. Representative Texts and Supplies

SFT Instructor/Student Guide,2010 (provided on thumb drive)

IX. Discipline/s Assignment

Fire Technology

X. Course Status

Current Status: Active

Original Approval Date: 12/06/2016

Board Approval Date: 12/13/2016

Chancellor's Office Approval Date: 01/24/2017

Revised By: Dan Weaver

Curriculum/Academic Standards Committee Revision Date: 10/04/2022