

## Lassen Community College Course Outline

### FS-60.1 Cal Fire Module 1A Structural Firefighting 6.0 Units

#### I. Catalog Description

This course provides students with the knowledge and skills needed for the entry-level fire fighter to perform structural suppression activities. Key learning concepts include: Fire Fighter Safety; communications; cleaning, maintaining and utilizing equipment and tools; building construction and fire behavior; water supply; ladder operations; forcing entry into structure; conducting search and rescue operations; attacking an interior structure fire; horizontal and vertical ventilation; property conservation; and fire scene overhaul.

**\*\*An additional cost will be incurred by the student for PPE Turnout rentals to meet the safety requirements for the Live fire components of the class.** (approx. \$650/semester)

**This course meets or exceeds the requirements for California FF1 Module 1A and includes IFSAC/Pro Board FF1 test preparation for Modules 1A,1B, 1C**

**Recommended Preparation:** Successful completion of ENGL105 or equivalent multiple measures placement.

#### **Recommended Training prior to enrollment:**

- FS-59 Confined Space Awareness or equivalent,
- FS-72 Hazmat First Responder Operations or equivalent,
- FS-81 Wildland Firefighter Safety & Survival
- FS-20 First aid and CPR for Public Safety Employees, or equivalent
- FEMA IS-100,IS-200, IS-700, IS-800 (can be taken Online)
- FS-51 Introduction to Fire Technology Careers
- Cal Fire Orientation Module

#### **Corequisites:**

- **FS-80** Firefighter Survival or equivalent

Does Not Transfer to CSU/UC

80 Hours Lecture; 80 Hours Lab, 160 Outside Class Hours, 320 Total Student Learning Hours

Scheduled: Spring

#### II. Coding Information

Repeatability: Not repeatable

Open Entry/Open Exit: NA

Grading Option: Graded

TOP Code: 213310

#### III. Course Objectives

##### A. Course Student Learning Outcomes

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

1. Demonstrate proper technique of tools and skills to safely operate on a structural Fire incident.
2. Demonstrate proper donning and doffing of Self- Contained Breathing Apparatus (SCBA) and safely navigate a simulated obstacle course with a SCBA
3. Demonstrate proper methods of fire hose deployment and repacking on a fire apparatus.
4. Describe how building construction and fire behavior effect fire ground safety.

#### **B. Course Objectives:**

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

1. Connect a pumper to a water supply as a team
2. how to ventilate a structure with a positive pressure fan
3. Perform horizontal ventilation as part of a team
5. Deploy fire service ladders safely and efficiently
6. Perform a forced entry into a structure
7. Conduct a search/rescue operation inside a structure as a team

### **IV. Course Content**

- A. Orientation
  - 1) Cal Fire Mission and Organization
  - 2) Code of Conduct
  - 3) EEO/Sexual Harassment
- B. Fire Physics and Terminology
- C. Safety
- D. Self-Contained Breathing Apparatus (SCBA)
- E. Fire Equipment Orientation
- F. Structure Firefighting Operations
- G. Station Operations
- H. Personal Protective Equipment
- I. Firefighter Health and Safety
- J. Hose, Hose Appliances, and Hose Tools
- K. Water Supply Systems
- L. Ladders
- M. Special Fires

### **V. Assignments**

- A. Appropriate Readings**  
Assigned readings in the textbook
- B. Writing Assignments**  
Assigned reading and exam preparation
- C. Expected Outside Assignments**
- D. Specific Assignments that Demonstrate Critical Thinking**  
Demonstration of skill set for fighting structure fires for a given scenario.

### **VI. Methods of Evaluation**

Written Examinations and Performance Exams

## **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

## **VIII. Representative Texts and Supplies**

1- **IAFC; Fundamentals of Fire Fighter Skills and Hazardous Materials Response**  
4th Edition, 2018, Jones and Bartlett Learning, ISBN: 9781284151336.

2- **California State Fire Training Module 1A Skills Checklist**, Provided by Instructor

## **IX. Discipline/s Assignment**

Fire Technology

## **X. Course Status**

Current Status: Active

Original Approval Date: 02/21/2023

Board Approval Date: 04/11/2023

Revised By: Dan Weaver

Curriculum/Academic Standards Committee Revision Date: