

FIRE 107.1 Course Outline as of Fall 2018

CATALOG INFORMATION

Dept and Nbr: FIRE 107.1      Title: VOLUNTEER FF SKILLS  
Full Title: Volunteer Firefighter Skills  
Last Reviewed: 8/26/2024

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	1.50	Lecture Scheduled	0.50	17.5	Lecture Scheduled	8.75
Minimum	1.50	Lab Scheduled	3.00	17.5	Lab Scheduled	52.50
		Contact DHR	0		Contact DHR	0
		Contact Total	3.50		Contact Total	61.25
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 17.50

Total Student Learning Hours: 78.75

Title 5 Category: AA Degree Applicable  
Grading: P/NP Only  
Repeatability: 00 - Two Repeats if Grade was D, F, NC, or NP  
Also Listed As:  
Formerly: FIRE 107A

**Catalog Description:**  
This is a basic operations course designed to provide the student with an overview of both manipulative and technical firefighting operations and procedures necessary to safely function as a volunteer firefighter. This course is designed to be a pathway for meeting many of the requirements for California State Firefighter I certification.

**Prerequisites/Corequisites:**

**Recommended Preparation:**  
Eligibility for ENGL 100 or ESL 100

**Limits on Enrollment:**  
Must pass a criminal background check as required by the respective Sonoma County Fire agency where instruction occurs and possession of a current Class C California Driver's License. medical history statement and cardiac risk assessment signed a by a physician for participation in physical activities including climbing, carrying and lifting heavy equipment (65-100 lbs.), rescue/body drags (165 lbs.) and live fire exercises (crawling and pulling pressurized hose lines).

**Schedule of Classes Information:**  
Description: This is a basic operations course designed to provide the student with an overview

of both manipulative and technical firefighting operations and procedures necessary to safely function as a volunteer firefighter. This course is designed to be a pathway for meeting many of the requirements for California State Firefighter I certification. (P/NP Only)

Prerequisites/Corequisites:

Recommended: Eligibility for ENGL 100 or ESL 100

Limits on Enrollment: Must pass a criminal background check as required by the respective Sonoma County Fire agency where instruction occurs and possession of a current Class C California Driver's License. medical history statement and cardiac risk assessment signed a by a physician for participation in physical activities including climbing, carrying and lifting heavy equipment (65-100 lbs.), rescue/body drags (165 lbs.) and live fire exercises (crawling and pulling pressurized hose lines).

Transfer Credit:

Repeatability: Two Repeats if Grade was D, F, NC, or NP

## **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

<b>AS Degree:</b>	<b>Area</b>	<b>Effective:</b>	<b>Inactive:</b>
<b>CSU GE:</b>	<b>Transfer Area</b>	<b>Effective:</b>	<b>Inactive:</b>
<b>IGETC:</b>	<b>Transfer Area</b>	<b>Effective:</b>	<b>Inactive:</b>
<b>CSU Transfer:</b>		<b>Effective:</b>	<b>Inactive:</b>
<b>UC Transfer:</b>		<b>Effective:</b>	<b>Inactive:</b>

**CID:**

**Certificate/Major Applicable:**

Both Certificate and Major Applicable

## **COURSE CONTENT**

### **Student Learning Outcomes:**

At the conclusion of this course, the student should be able to:

1. Identify fire department functions and interpret duties of a volunteer firefighter.
2. Demonstrate the use of fire department equipment following standard safety practices through the selection of given firefighting tasks.
3. Differentiate types of fire behavior and the impact on structural and wildland situations.

### **Objectives:**

At the conclusion of this course, the student should be able to:

1. Describe the standard operating unit of a fire department.
2. Identify the roles of fire service personnel.
3. Explain basic components of fire behavior and combustion.
4. Demonstrate the proper use of fire department communication systems.
5. Describe how to safely respond to and operate at emergency incidents.
6. Describe the fundamentals of firefighting tactics and strategy.
7. Demonstrate the proper use of the equipment used to fight structure fires.
8. Describe the procedures used to minimize fire damage to a structure and contents.
9. Describe the procedures used to mitigate vehicle incidents.
10. Describe wildland fire behavior and the tactics and strategies used to fight wildland fires.

11. Demonstrate the fire prevention practices used by entry level firefighters.

## **Topics and Scope:**

### **I. Overview**

- A. Fire department organization
  - 1. Rules and regulations
  - 2. Roles of fire service personnel
- B. Fire behavior and extinguishment theory
- C. Basic skills development
- D. Incident reports

### **II. Fire Department Communications**

- A. Emergency communication systems
- B. Methods of receiving alarms
- C. Telephone and communications procedures
- D. Characteristics and functions of fire department radios

### **III. Fire Ground Operations**

- A. Elements and operation of self-contained breathing apparatus (SCBA)
- B. Procedures for responding upon a fire apparatus
- C. General safety precautions for all emergency situations
- D. Forcible entry into a structure
- E. Exiting a hazardous area as a team
- F. Ladder operations
- G. Vehicle fires and extrication
- H. Fire extinguishment
- I. Firefighting strategy and tactics
- J. Search and rescue procedures
- K. Vertical and horizontal ventilation procedures
- L. Salvage and overhaul practices
- M. Water supplies, hose and hydrants
- N. Characteristics and functions of fire service lighting equipment
- O. Controlling utilities
- P. Wildland firefighting

### **IV. Fire Prevention Practices**

- A. Fire investigation for first responders
- B. Identification of fire hazards
- C. Basic public education techniques

All topics are covered in both the lecture and lab portions of the course.

## **Assignment:**

### **Lecture-Related Assignments**

- 1. Weekly homework problems including written and computer-based activities
- 2. Reading 30-70 pages per week

### **Lab-Related Assignments**

- 1. Demonstrate 6-12 basic manipulative technical firefighting skills
- 2. Complete training topics that are custom tailored for each fire department's specific needs
- 3. Complete 3-5 incident reports
- 4. Complete up to 12 performance based exams
- 5. Complete up to 12 quizzes, one midterm, and one final exam

## Methods of Evaluation/Basis of Grade:

**Writing:** Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

Written homework and incident reports

Writing  
15 - 30%

**Problem Solving:** Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Written and computer-based homework problems and activities

Problem solving  
15 - 30%

**Skill Demonstrations:** All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Performance exams

Skill Demonstrations  
20 - 40%

**Exams:** All forms of formal testing, other than skill performance exams.

Quizzes, midterm and final

Exams  
20 - 40%

**Other:** Includes any assessment tools that do not logically fit into the above categories.

Completed self paced computer assignments

Other Category  
10 - 20%

## Representative Textbooks and Materials:

Essentials of Firefighting. 6th ed. International Fire Service Training Association (IFSTA). 2013 (classic)