

## FIRE101 : Principles Of Fire Emergency Services

### General Information

Author:	<ul style="list-style-type: none"><li>Tracy Rickman</li></ul>
Course Code (CB01) :	FIRE101
Course Title (CB02) :	Principles Of Fire Emergency Services
Department:	FIRE
Proposal Start:	Spring 2025
TOP Code (CB03) :	(2133.00) Fire Technology
CIP Code:	(43.0201) Fire Prevention and Safety Technology/Technician.
SAM Code (CB09) :	Possibly Occupational
Distance Education Approved:	No
Will this course be taught asynchronously?:	No
Course Control Number (CB00) :	CCC000609057
Curriculum Committee Approval Date:	05/22/2024
Board of Trustees Approval Date:	07/16/2024
Last Cyclical Review Date:	05/22/2024
Course Description and Course Note:	FIRE 101 provides an overview to fire protection and emergency services. Students will learn about career opportunities in fire protection and related fields, an introduction to fire strategy and tactics, and the culture and history of emergency services. Topics include fire loss analysis, organization and function of public and private fire protection services, fire departments as part of local government, laws and regulations affecting the fire service, fire service terms, specific fire protection functions, basic fire chemistry and physics, introduction to fire protection systems, and life safety initiatives.
Justification:	Mandatory Revision
Academic Career:	<ul style="list-style-type: none"><li>Credit</li></ul>
Mode of Delivery:	
Author:	Tracy Rickman
Course Family:	

### Academic Senate Discipline

Primary Discipline:	<ul style="list-style-type: none"><li>Fire Technology</li></ul>
Alternate Discipline:	No value
Alternate Discipline:	No value

## Course Development

### Basic Skill Status (CB08)

Course is not a basic skills course.

Allow Students to Gain Credit by Exam/Challenge

### Course Special Class Status (CB13)

Course is not a special class.

### Pre-Collegiate Level (CB21)

Not applicable.

### Grading Basis

- Grade with Pass / No-Pass Option

### Course Support Course Status (CB26)

Course is not a support course

## General Education and C-ID

### General Education Status (CB25)

Not Applicable

### Transferability

Transferable to CSU only

### Transferability Status

Approved

C-ID	Area	Status	Approval Date	Comparable Course
FIRE	Fire Tehnology	Approved	08/31/2020	FIRE 100 X - Principles of Emergency Services

## Units and Hours

### Summary

<b>Minimum Credit Units (CB07)</b>	3
<b>Maximum Credit Units (CB06)</b>	3
<b>Total Course In-Class (Contact) Hours</b>	54
<b>Total Course Out-of-Class Hours</b>	108
<b>Total Student Learning Hours</b>	162

### Credit / Non-Credit Options

#### Course Type (CB04)

Credit - Degree Applicable

#### Noncredit Course Category (CB22)

Credit Course.

#### Noncredit Special Characteristics

No Value

#### Course Classification Code (CB11)

Credit Course.

Variable Credit Course

#### Funding Agency Category (CB23)

Not Applicable.

- Cooperative Work Experience  
 Education Status (CB10)

### Weekly Student Hours

	In Class	Out of Class
Lecture Hours	3	6

### Course Student Hours

<b>Course Duration (Weeks)</b>	18
<b>Hours per unit divisor</b>	0

Laboratory Hours	0	0
Studio Hours	0	0

<b>Course In-Class (Contact) Hours</b>	
Lecture	54
Laboratory	0
Studio	0
<b>Total</b>	<b>54</b>

<b>Course Out-of-Class Hours</b>	
Lecture	108
Laboratory	0
Studio	0
<b>Total</b>	<b>108</b>

### Time Commitment Notes for Students

No value

### Units and Hours - Weekly Specialty Hours

Activity Name	Type	In Class	Out of Class
No Value	No Value	No Value	No Value

### Pre-requisites, Co-requisites, Anti-requisites and Advisories

#### Advisory

ESL151 - Reading And Composition V

##### Objectives

- Employ basic library research techniques.

OR

#### Advisory

ENGL101 - Introduction to College Reading and Composition

##### Objectives

- Develop varied and flexible strategies for generating, drafting, and revising essays.
- Integrate the ideas of others through paraphrasing, summarizing, and quoting without plagiarism.

### Entry Standards

Entry Standards

## Course Limitations

Cross Listed or Equivalent Course

## Specifications

### Methods of Instruction

Methods of Instruction                      Lecture

Methods of Instruction                      Multimedia

### Out of Class Assignments

- Homework (e.g. true or false questions about the roles of local, state and federal agencies in fire management)
- Individual projects (e.g. written assignment, reports written summary of a fire technology incident report)
- Group projects (e.g. research fire department operations)

### Methods of Evaluation

### Rationale

Exam/Quiz/Test                              Midterm examination  
Exam/Quiz/Test                              Final examination

### Textbook Rationale

No Value

### Textbooks

Author	Title	Publisher	Date	ISBN
Robert Klinoff	Introduction to Fire Protection and Emergency Services	Jones & Bartlett Learning	2021	978-1284180152

### Other Instructional Materials (i.e. OER, handouts)

No Value

### Materials Fee

No value

## Learning Outcomes and Objectives

## Course Objectives

Analyze the basic components of fire as a chemical reaction, the major phases of fire, and examine the main factors that influence fire spread and behavior.

Differentiate between fire service training and education; fire protection certificate program and a fire service degree program; and explain the value of education in the fire service.

List and describe the major organizations that provide emergency response service and illustrate how they interrelate.

Identify fire protection and emergency-service careers in both the public and in the private sector.

Synthesize the role of national, state and local support organizations in fire protection and emergency services.

Discuss and describe the scope, purpose, and organizational structure of fire and emergency services.

Describe the common types of fire and emergency services facilities, equipment, and apparatus.

## SLOs

**Describe and discuss the components of the history, philosophy, and components of the modern day fire service.**

Expected Outcome Performance: 70.0

*ILOs* Communicate clearly, ethically, and creatively; listen actively and engage respectfully with others; consider situational, cultural, and personal  
Core contexts within or across multiple modes of communication.  
*ILOs*

**Analyze and describe the science of fire behavior.**

Expected Outcome Performance: 70.0

*ILOs* Analyze and solve problems using critical, logical, and creative thinking; ask questions, pursue a line of inquiry, and derive  
Core ILOs conclusions; cultivate creativity that leads to innovative ideas.

Communicate clearly, ethically, and creatively; listen actively and engage respectfully with others; consider situational, cultural, and personal contexts within or across multiple modes of communication.

*FIRE* Discuss the skills required for fire prevention techniques; discuss the aspects of fire behavior  
Verdugo Recruit Fire Academy

*FIRE* discuss the aspects of fire behavior.  
Fire Technology - Certificate

*FIRE* discuss the aspects of fire behavior.  
Verdugo Fire Academy - Certificate

*FIRE* discuss the aspects of fire behavior.  
Fire Technology - A.S. Degree Major

**Compare and contrast effective management concepts for various emergency situations.**

Expected Outcome Performance: 70.0

<i>ILOs</i> Core ILOs	Analyze and solve problems using critical, logical, and creative thinking; ask questions, pursue a line of inquiry, and derive conclusions; cultivate creativity that leads to innovative ideas.
<i>FIRE</i> Verdugo Recruit Fire Academy	Discuss the skills required for fire prevention techniques; discuss the aspects of fire behavior
<i>FIRE</i> Verdugo Fire Academy - Certificate	discuss the skills required for fire prevention techniques.
<i>FIRE</i> Fire Technology - A.S. Degree Major	discuss the skills required for fire prevention techniques. discuss the skills required for fire-fighting tactics and strategy.
<i>FIRE</i> Fire Technology - Certificate	discuss the skills required for fire prevention techniques.

## Course Content

### Lecture Content

#### Careers in the Fire Protection/Emergency services (8 Hours)

- Opportunities/private, industrial, local, municipal, state and federal
- Pay, hours of duty, benefits, promotion, retirement qualifications
- Selection process Career preparation
- Wellness and fitness for emergency service

#### History (8 Hours)

- The evolution of fire protection
- The U.S. fire problem; life and property
- Fire Service Tradition

#### Fire Investigation (6 Hours)

- Code enforcement
- Public education
- Scientific and technical vocabulary

#### Fire Behavior (4 Hours)

- Stages of fire
- Flammability characteristics of solids, liquids and

#### Building Design and Construction (4 Hours)

- Residential Construction
- Commercial Construction

#### Fire Detection and Suppression (6 Hours)

- Education of the public and fire prevention

#### The Role of Public and Private Support (4 Hours)

- Local
- State
- Federal
- International

#### Fire and Emergency Services Equipment and Facilities (8 Hours)

- Types of equipment
- Types of facilities
- Types of engines and other response vehicles

#### Management (6 Hours)

- Emergency operations
- Organizational structure of fire and emergency services

**Total hours: 54**

## **Additional Information**

Is this course proposed for GCC Major or General Education Graduation requirement? If yes, indicate which requirement in the two areas provided below.

No

### **GCC Major Requirements**

No Value

### **GCC General Education Graduation Requirements**

No Value

### **Repeatability**

Not Repeatable

### **Justification (if repeatable was chosen above)**

No Value

## Resources

Did you contact your departmental library liaison?

No

If yes, who is your departmental library liaison?

No Value

Did you contact the DEIA liaison?

No

Were there any DEIA changes made to this outline?

No

If yes, in what areas were these changes made:

No Value

Will any additional resources be needed for this course? (Click all that apply)

- No

If additional resources are needed, add a brief description and cost in the box provided.

No Value