

## FIRE118 : Fire Academy III

### General Information

Author:	<ul style="list-style-type: none"><li>Anthony Bagan</li></ul>
Course Code (CB01) :	FIRE118
Course Title (CB02) :	Fire Academy III
Department:	FIRE
Proposal Start:	Spring 2025
TOP Code (CB03) :	(2133.50) Fire Academy
CIP Code:	(43.0203) Fire Science/Fire-fighting.
SAM Code (CB09) :	Clearly Occupational
Distance Education Approved:	No
Will this course be taught asynchronously?:	No
Course Control Number (CB00) :	CCC000622280
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 118 is designed to train students in the theory and practice of fire fighting technology. Topics include techniques of firefighting tool and equipment, ventilation techniques, rapid intervention team operations, rescue, vehicle extrication, forcible entry, and wild land firefighting operations. This course together with FIRE 116, FIRE 117, and FIRE 119, meets the State Board of Fire Services training requirements for Firefighter I certification. Note: Students taking this course will be required to engage in strenuous physical activity and will train in a para-military environment.
Justification:	Mandatory Revision
Academic Career:	<ul style="list-style-type: none"><li>Credit</li></ul>
Mode of Delivery:	
Author:	Anthony Bagan
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

Not transferable

### Transferability Status

Not transferable

## Units and Hours

### Summary

**Minimum Credit Units (CB07)** 7

**Maximum Credit Units (CB06)** 7

**Total Course In-Class (Contact) Hours** 198

**Total Course Out-of-Class Hours** 180

**Total Student Learning Hours** 378

### 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	5	10
Laboratory Hours	6	0
Studio Hours	0	0

### Course Student Hours

<b>Course Duration (Weeks)</b>	18
<b>Hours per unit divisor</b>	0
<b>Course In-Class (Contact) Hours</b>	
Lecture	90
Laboratory	108
Studio	0

**Total** 198

**Course Out-of-Class Hours**

Lecture	180
Laboratory	0
Studio	0
<b>Total</b>	<b>180</b>

**Time Commitment Notes for Students**

Course requires out of classroom homework assignments such as online LMS chapter quizzes and interactive lectures. Students needing additional time/practice with basic skills may be permitted to take home equipment to assist with practice e.g. ropes, self-contained breathing apparatus, webbing,

**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**

**Prerequisite**

FIRE117 - Fire Academy II (in-development)

**Objectives**

- Demonstrate use and application of fire service self-contained breathing apparatus.
- Explain different types of water supply systems.
- Apply salvage and overhaul operations.
- Select and use fire service ground ladders.
- Select and use fire service hose, nozzles, appliances, and fire streams.
- Select, use, and maintain portable fire extinguishers.
- Demonstrate ventilation techniques.
- Demonstrate fire control concepts and techniques.

**Entry Standards**

Entry Standards

**Course Limitations**

Cross Listed or Equivalent Course

## Specifications

### Methods of Instruction

Methods of Instruction                      Lecture

Methods of Instruction                      Laboratory

Methods of Instruction                      Discussion

Methods of Instruction                      Multimedia

Methods of Instruction                      Tutorial

Methods of Instruction                      Collaborative Learning

Methods of Instruction                      Demonstrations

Methods of Instruction                      Field Activities (Trips)

Methods of Instruction                      Presentations

### Out of Class Assignments

- Written assignments (e.g. reports, topic papers, etc.)

### Methods of Evaluation

### Rationale

Writing Assignment                      Topic papers, eLecture LMS homework assignments including eQuizzes

Project/Portfolio                      Evaluation of student projects / reports

Exam/Quiz/Test                      In-class written tests and one written block examination

Evaluation                      Uniform Inspections

Activity (answering journal prompt, group activity)                      Manipulative skills demonstrations / Skills Testing

Evaluation                      Code of conduct evaluations / points system

## Textbook Rationale

No Value

## Textbooks

Author	Title	Publisher	Date	ISBN
International Association of Fire Chiefs	Fundamentals of Fire Fighter Skills	Jones & Bartlett Learning	2019	978-1284144611

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

No Value

## Materials Fee

A material/lab fee may be required for this course.

## Learning Outcomes and Objectives

### Course Objectives

Select appropriate ventilation equipment.

Demonstrate the operations of rapid intervention companies.

Demonstrate techniques of vehicle extrication.

Demonstrate techniques for rescue emergencies.

Select appropriate tools and equipment for rescue.

Demonstrate the techniques for effective river and flood rescue operations.

Identify confined space rescue situations and demonstrate the basic confined space rescue techniques.

Demonstrate various suppression techniques used in wildland fire fighting.

### SLOs

Describe various rescue and forced entry techniques.

Expected Outcome Performance: 70.0

<i>ILOs</i> Core ILOs	Demonstrate depth of knowledge in a course, discipline, or vocation by applying practical knowledge, skills, abilities, theories, or methodologies to solve unique problems.
<i>FIRE</i> Verdugo Recruit Fire Academy	Discuss the skills required for fire-fighting tactics and strategy Discuss the skills required for the use of equipment used in fire protection
<i>FIRE</i> Verdugo Fire Academy - Certificate	discuss the skills required for fire-fighting tactics and strategy. discuss the skills required for the use of equipment used in fire protection.
<i>FIRE</i> Fire Technology - A.S. Degree Major	discuss the skills required for fire-fighting tactics and strategy. discuss the skills required for the use of equipment used in fire protection.
<i>FIRE</i> Fire Technology - Certificate	discuss the skills required for fire-fighting tactics and strategy. discuss the skills required for the use of equipment used in fire protection.

**Explain ventilation techniques and use them appropriately.**

Expected Outcome Performance: 70.0

<i>ILOs</i> Core ILOs	Demonstrate depth of knowledge in a course, discipline, or vocation by applying practical knowledge, skills, abilities, theories, or methodologies to solve unique problems.
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**Articulate loss control methods and their applications.**

Expected Outcome Performance: 70.0

<i>ILOs</i> Core ILOs	Demonstrate depth of knowledge in a course, discipline, or vocation by applying practical knowledge, skills, abilities, theories, or methodologies to solve unique problems.
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<i>FIRE</i> Verdugo Fire Academy - Certificate	discuss the skills required for fire-fighting tactics and strategy.
<i>FIRE</i> Fire Technology - A.S. Degree Major	discuss the skills required for fire-fighting tactics and strategy.

**Additional SLO Information**

**Does this proposal include revisions that might improve student attainment of course learning outcomes?**

No

**Is this proposal submitted in response to learning outcomes assessment data?**

No

**If yes was selected in either of the above questions for learning outcomes, explain and attach evidence of discussions about learning outcomes.**

No Value

**SLO Evidence**

No Value

## Course Content

### Lecture Content

#### **Firefighter Survival (Fire Fighter 1A - Unit 6) (4 hours)**

- Structural Fire Fighter Survival

#### **Fireground Operations (Fire Fighter 2A - Unit 3) (7.5 hours)**

- Extinguishing an Ignitable Liquid Fire
- Controlling a Flammable Gas Cylinder Fire
- Coordinating an Interior Attack Line
- Protecting Evidence of Fire Cause and Origin

#### **Rescue Operations (Firefighter 2A - Unit 4) (4 hours)**

- Extricating a Victim Entrapped in a Motor Vehicle
- Assisting Rescue Operations Teams

#### **Fire Control 4A Ignitable Liquids and Gases (Fire Service Training & Education Program) (4 hours)**

- Introduction
- Extinguishing an Ignitable Liquid Fire with Foam
- Controlling a Flammable Gas Fire

#### **Fire Control 3 - Structure Fire Fighting (Fire Service Training and Education Program) (14 hours)**

- Introduction
- Fire Dynamics
- Tactical Fire Ground Considerations
- Additional Tactical Fire Ground Considerations
- Health and Safety

#### **Common Passenger Vehicle Rescue Technician (Fire Service Training and Education Program) (6.25 hours)**

- Introduction
- Tools and Equipment
- Incident Response
- Vehicle Stabilization
- Access and Egress
- Victim Rescue
- Termination

#### **Confined Space Rescue - Awareness (Fire Service Training and Education Program) (6.5 hours)**

- Introduction
- Overview
- Confined Space Incidents

#### **CSFM Firefighter 1A Psychomotor Certification Testing (43.75 hours)**

**Total hours: 90**

### Laboratory/Studio Content

#### **Firefighter Survival (Fire Fighter 1A - Unit 6) (12 hours)**

- Structural Fire Fighter Survival

#### **Fireground Operations (Fire Fighter 2A - Unit 3) (15 hours)**

- Extinguishing an Ignitable Liquid Fire
- Controlling a Flammable Gas Cylinder Fire
- Coordinating an Interior Attack Line

- Protecting Evidence of Fire Cause and Origin

**Rescue Operations (Firefighter 2A - Unit 4) (6 hours)**

- Extricating a Victim Entrapped in a Motor Vehicle
- Assisting Rescue Operations Teams

**Fire Control 4A Ignitable Liquids and Gases (Fire Service Training & Education Program) (8 hours)**

- Introduction
- Extinguishing an Ignitable Liquid Fire with Foam
- Controlling a Flammable Gas Fire

**Fire Control 3 - Structure Fire Fighting (Fire Service Training and Education Program) (10 hours)**

- Introduction
- Fire Dynamics
- Tactical Fire Ground Considerations
- Additional Tactical Fire Ground Considerations
- Health and Safety

**Common Passenger Vehicle Rescue Technician (Fire Service Training and Education Program) (17.75 hours)**

- Introduction
- Tools and Equipment
- Incident Response
- Vehicle Stabilization
- Access and Egress
- Victim Rescue
- Termination

**Confined Space Rescue - Awareness (Fire Service Training and Education Program) (1.5 hours)**

- Introduction
- Overview
- Confined Space Incidents

**Station, Grounds, and Equipment Maintenance (16 hours)**

**CSFM Firefighter 1A Psychomotor Certification Testing (21.75 hours)**

**Total hours: 108**

**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