

FIRE119 : Fire Academy IV

General Information

Author:	<ul style="list-style-type: none">Anthony Bagan
Course Code (CB01) :	FIRE119
Course Title (CB02) :	Fire Academy IV
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) :	CCC000249640
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:	<p>FIRE 119 is designed to train students in the theory and practice of fire fighting technology. Topics include urban search and rescue operation, rescue systems, trench rescue operations, the incident command system, and hazardous materials including weapons of mass destruction. The course also provides students with live fire exercises in flammable liquids, compressed gases, aircraft and survival, and advanced structural firefighting techniques. Multi-company fire ground operations, including truck and engine company operations are included. This course together with FIRE 116, FIRE 117, and FIRE 118, 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.</p>
Justification:	Mandatory Revision
Academic Career:	<ul style="list-style-type: none">Credit
Mode of Delivery:	
Author:	Anthony Bagan
Course Family:	

Academic Senate Discipline

Primary Discipline:	<ul style="list-style-type: none">Fire Technology
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) 12

Maximum Credit Units (CB06) 12

Total Course In-Class (Contact) Hours 360

Total Course Out-of-Class Hours 324

Total Student Learning Hours 684

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	9	18
Laboratory Hours	11	0
Studio Hours	0	0

Course Student Hours

Course Duration (Weeks)	18
Hours per unit divisor	0
Course In-Class (Contact) Hours	
Lecture	162
Laboratory	198
Studio	0

Total 360

Course Out-of-Class Hours

Lecture	324
Laboratory	0
Studio	0
Total	324

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, and 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

FIRE118 - Fire Academy III (in-development)

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.

Entry Standards

Entry Standards

Explain various techniques of rescue and forcible entry.

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, papers, etc.)

Methods of Evaluation

Rationale

Activity (answering journal prompt, group activity)

Manipulative skills demonstrations / Manipulative Final Exam / Skills Testing

Project/Portfolio

Evaluation of student projects / reports

Exam/Quiz/Test

In-class written tests and one written block examination

Evaluation

Uniform Inspections

Writing Assignment

Notebook Inspections

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

Explain techniques for flashover survival.

Demonstrate techniques of structural fire fighting.

Demonstrate techniques of compressed gas and flammable liquid fire fighting.

Operate in multiple company evolutions.

Identify hazardous materials incidents including those that involved weapons of mass destruction.

Employ trench rescue equipment, tool, and practical incident stabilization.

Use various rescue systems such as moving heavy objects, building shoring, and setting up rope rescue systems.

Demonstrate techniques used to rescue persons from moving water.

Demonstrate the ability to work as a member of a team to perform fire ground multi-company operations.

SLOs**Demonstrate appropriate techniques for moving heavy objects.**

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> 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> 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 - Certificate	discuss the skills required for fire-fighting tactics and strategy. discuss the skills required for the use of equipment used in fire protection.

Perform appropriate techniques for rope rescue emergencies.

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> 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.
<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> 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.

Demonstrate physical fitness requirements to meet standards and pass the Firefighter 1 Certification Test. 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. Practice ethical and responsible behavior within personal, academic, professional, social, and societal contexts; recognize and welcome diverse lifestyle choices that promote physical, intellectual, psychological, and social well-being.
<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.

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

Hazardous Materials/WMD Introduction (Firefighter 1B - Unit 1) (1 hour)

- Orientation & Administration
- Firefighter 1 Certification Process

Hazardous Materials/WMD - Awareness (Firefighter 1B - Unit 2) (4 hours)

- Description of Duties (Awareness)
- Recognizing and Identifying Hazardous Materials/WMD and Associated Hazards
- Isolating the Hazard Area and Denying Entry
- Initiating Required Notifications

Hazardous Materials/WMD - Operations (Firefighter 1B - Unit 3) (10.5 hours)

- Description of Duties (Awareness)
- Identifying the Scope of a Hazardous Materials/WMD Incident
- Selecting, Donning, Working In and Doffing Approved PE at a Hazardous Materials/WMD Incident
- Performing Emergency Decontamination at a Hazardous Materials/WMD Incident
- Identifying Tactics for a Hazardous Materials/WMD Incident
- Performing Assigned Tasks at a Hazardous Materials/WMD Incident
- Performing Product Control Techniques at a Hazardous Materials/WMD Incident
- Evaluating and Reporting Progress for a Hazardous Materials/WMD Incident

Wildland Fire Fighting (Firefighter 1C - Unit 1 Introduction) (1.5 hours)

- Orientation and Administration
- Firefighter 1 Certification Process
- Wildland Fire Fighter Roles and Responsibilities

Wildland Fire Fighting (Firefighter 1C - Unit 2 Preparation) (18.25 hours)

- Wildland Fire Behavior
- Recognizing Hazards and Unsafe Situations
- Human Factors on the Fireline
- Donning, Doffing, and Maintaining Wildland Personal Protective Equipment
- Deploying a Fire Shelter
- Maintaining Assigned Suppression Hand Tools and Equipment
- Maintaining Personal Gear Kit

Wildland Fire Fighting (Firefighter 1C - Unit 3 Suppression) (10.25 hours)

- Assembling and Preparing for Response
- Constructing a Fireline
- Securing a Fireline
- Reducing the Threat of Fire Exposure to Improved Properties (WUI)
- Mopping Up in a Fire Area
- Patrolling the Fire Area

Oral Interview / Presentation Techniques (16.5 hours)

Testing (100 hours)

Total hours: 162

Laboratory/Studio Content

Hazardous Materials/WMD - Awareness (Firefighter 1B - Unit 2) (3 hours)

- Description of Duties (Awareness)
- Recognizing and Identifying Hazardous Materials/WMD and Associated Hazards
- Isolating the Hazard Area and Denying Entry
- Initiating Required Notifications

Hazardous Materials/WMD - Operations (Firefighter 1B - Unit 3) (5.5 hours)

- Description of Duties (Awareness)
- Identifying the Scope of a Hazardous Materials/WMD Incident
- Selecting, Donning, Working In and Doffing Approved PE at a Hazardous Materials/WMD Incident
- Performing Emergency Decontamination at a Hazardous Materials/WMD Incident
- Identifying Tactics for a Hazardous Materials/WMD Incident
- Performing Assigned Tasks at a Hazardous Materials/WMD Incident
- Performing Product Control Techniques at a Hazardous Materials/WMD Incident
- Evaluating and Reporting Progress for a Hazardous Materials/WMD Incident

Wildland Fire Fighting (Firefighter 1C - Unit 2 Preparation (7.5 hours))

- Wildland Fire Behavior
- Recognizing Hazards and Unsafe Situations
- Human Factors on the Fireline
- Donning, Doffing, and Maintaining Wildland Personal Protective Equipment
- Deploying a Fire Shelter
- Maintaining Assigned Suppression Hand Tools and Equipment
- Maintaining Personal Gear Kit

Wildland Fire Fighting (Firefighter 1C - Unit 3 Suppression) (18.5 hours)

- Assembling and Preparing for Response
- Constructing a Fireline
- Securing a Fireline
- Reducing the Threat of Fire Exposure to Improved Properties (WUI)
- Mopping Up in a Fire Area
- Patrolling the Fire Area

Testing - Oral Interview / Presentation (8 hours)**CSFM Firefighter 1B Psychomotor Certification Testing (51 hours)****CSFM Firefighter 1C Psychomotor Certification Testing (100.5 hours)****CSFM Firefighter 1 and 2 Cognitive Certification Testing (4 hours)****Total hours: 198****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 liason?

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