

FIRE117 : Fire Academy II

General Information

Author:	<ul style="list-style-type: none">Anthony Bagan
Course Code (CB01) :	FIRE117
Course Title (CB02) :	Fire Academy II
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) :	CCC000626467
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 117 is designed to train students in the theory and practice of fire fighting technology. Topics include use and application of self-contained breathing apparatus, salvage and overhaul operations, fire control techniques, fire hose, nozzles, streams and water supply, fire service ground ladders, and portable fire extinguishers. This course together with FIRE 116, FIRE118, and FIRE119 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">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 324

Total Course Out-of-Class Hours 324

Total Student Learning Hours 648

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	9	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	162
Studio	0

Total 324

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, webbing, etc.

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

FIRE116 - Fire Academy I (in-development)

Objectives

- Select appropriate fire extinguishing agents.
- Select appropriate protective dress.
- Design fire prevention plans and methods to disseminate that information to the public.
- Identify significance of the various types of building construction.
- Explain the various types of fire alarm systems.
- Explain various techniques of rescue and forcible entry.
- Demonstrate techniques of vehicle extrication.
- Demonstrate techniques for rescue emergencies.
- Select appropriate tools and equipment for rescue.
- Identify confined space rescue situations and demonstrate the basic confined space rescue 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, papers, etc.)

Methods of Evaluation

Rationale

Evaluation Manipulative skills demonstrations / Manipulative Skills Testing

Project/Portfolio Student projects/reports

Exam/Quiz/Test Tests and one written block examination

Evaluation Uniform 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

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.

SLOs

Show knowledge of firefighting tools and their utilizations.

Expected Outcome Performance: 70.0

ILOs
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.

Tie various knots and understand their intended purposes.

Expected Outcome Performance: 70.0

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	discuss the skills required for the use of equipment used in fire protection.

Define and apply the different types of rescue operations.

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> Fire Technology - Certificate	discuss the skills required for fire-fighting tactics and strategy.

Course Content

Lecture Content

Structural Fire Suppression (Fire Fighter 1A - Unit 5) (34 hours)

- Extinguishing Fire with Extinguishers
- Water Supply Systems
- Cleaning, Inspecting, and Returning Fire Hose to Service

- Deploy and Connect Fire Hose
- Utility Control at Emergencies
- Cleaning Inspecting and Maintaining Fire Service Ladders
- Ground Ladder Operations
- Forcible Entry into a Structure
- Conducting a Search and Rescue Operation into a Structure
- Attacking an Interior Structure Fire
- Horizontal Ventilation Operations
- Vertical Ventilation Operations
- Conserving Property
- Overhauling a Fire Scene

Fire and Life Safety (Fire Fighter 2A - Unit 5) (5 hours)

- Performing a Fire Safety Survey in an Occupied Structure
- Presenting Fire Safety Information to Station Visitors and Small Groups
- Preparing a Pre-incident Survey
- Maintaining Power Plants, Power Tools, and Lighting Equipment
- Performing an Annual Service Test on Fire Hose

Suppression of Fires Outside of a Structure (Fire Fighter 1A - Unit 7) (5.5 hours)

- Extinguishing Fires in Exterior Class A Materials
- Attacking a Passenger Vehicle Fire
- Combating a Ground Cover Fire

Testing (117.5 hours)

Total hours: 162

Laboratory/Studio Content

Structural Fire Suppression (Fire Fighter 1A - Unit 5) (134.5 hours)

- Extinguishing Fire with Extinguishers
- Water Supply Systems
- Cleaning, Inspecting, and Returning Fire Hose to Service
- Deploy and Connect Fire Hose
- Utility Control at Emergencies
- Cleaning Inspecting and Maintaining Fire Service Ladders
- Ground Ladder Operations
- Forcible Entry into a Structure
- Conducting a Search and Rescue Operation into a Structure
- Attacking an Interior Structure Fire
- Horizontal Ventilation Operations
- Vertical Ventilation Operations
- Conserving Property
- Overhauling a Fire Scene

Fire and Life Safety (Fire Fighter 2A - Unit 5) (6 hours)

- Performing a Fire Safety Survey in an Occupied Structure
- Presenting Fire Safety Information to Station Visitors and Small Groups
- Preparing a Pre-incident Survey
- Maintaining Power Plants, Power Tools, and Lighting Equipment
- Performing an Annual Service Test on Fire Hose

Suppression of Fires Outside of a Structure (Firefighter 1A - Unit 7) (9 hours)

- Extinguishing Fires in Exterior Class A Materials
- Attacking a Passenger Vehicle Fire
- Combating a Ground Cover Fire

Testing (12.5 hours)

Total hours: 162

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 Value

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 Value

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

No Value