

FIRE116 : Fire Academy I

General Information

Author:	<ul style="list-style-type: none">Anthony Bagan
Course Code (CB01) :	FIRE116
Course Title (CB02) :	Fire Academy I
Department:	FIRE
Proposal Start:	Winter 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) :	CCC000109364
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 116 trains students in the theory and practice of fire fighting technology. Topics include organization of the fire service, fire characteristics and behavior, fire prevention and public education, extinguishing agents, fire protection systems, and fire service communications. This course, together with FIRE 117, Fire Academy II, FIRE 118, Fire Academy III and FIRE 119, Fire Academy IV meets the State Board of Fire Services training requirements for Fire-fighter 1 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)	4
Maximum Credit Units (CB06)	4
Total Course In-Class (Contact) Hours	108
Total Course Out-of-Class Hours	108
Total Student Learning Hours	216

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
Laboratory Hours	3	0
Studio Hours	0	0

Course Student Hours

Course Duration (Weeks)	18
Hours per unit divisor	0
Course In-Class (Contact) Hours	
Lecture	54
Laboratory	54
Studio	0

Total 108

Course Out-of-Class Hours

Lecture 108

Laboratory 0

Studio 0

Total 108

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

ENGL101 - Introduction to College Reading and Composition

Objectives

- Read, analyze, and evaluate a variety of primarily non-fiction readings for content, context, and rhetorical merit with consideration of tone, audience, and purpose.

OR

Advisory

ESL141 - Grammar And Writing IV

Objectives

- Compose a 400 to 450-word thesis-based essay which: (a) summarizes and cites appropriately a reading passage provided as a prompt, (b) includes a clear thesis statement, (c) uses evidence to support the thesis, (d) shows clear organization into an introduction, body, and conclusion, and (e) uses appropriate rhetorical modes such as comparison/contrast, cause/effect, and persuasion in order to support a thesis.

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, LMS student text chapter homework, etc)

Methods of Evaluation

Rationale

Activity (answering journal prompt, group activity)

Manipulative skills demonstrations

Project/Portfolio

Projects / reports

Exam/Quiz/Test

Written 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

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.

Develop general knowledge about wildland and aircraft firefighting.

SLOs

Articulate the primary concepts of fire safety, fire control, and fire causation.

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
<i>FIRE</i> Fire Technology - A.S. Degree Major	discuss the skills required for fire-fighting tactics and strategy.
<i>FIRE</i> Fire Technology - Certificate	discuss the skills required for fire-fighting tactics and strategy.
<i>FIRE</i> Verdugo Fire Academy - Certificate	discuss the skills required for fire-fighting tactics and strategy.

Explain how construction and alarm systems affect fire safety.

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
<i>FIRE</i> Fire Technology - 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.
<i>FIRE</i> Verdugo Fire Academy - Certificate	discuss the skills required for fire-fighting tactics and strategy.

Demonstrate physical fitness required to become a firefighter.

Expected Outcome Performance: 70.0

<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>ILOs</i> Core ILOs	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 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.
<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.

Course Content

Lecture Content

Introduction (Fire Fighter 1A - Unit 1) (2 hours)

- Orientation & Administration
- Firefighter 1 & 2 Certification Process
- Firefighter 1 Roles and Responsibilities

Introduction (Fire Fighter 2A - Unit 1) (2 hours)

- Orientation & Administration
- Firefighter 2 Certification Process
- Firefighter 2 Roles and Responsibilities

Firefighter Safety (Fire Fighter 1A - Unit D) (20.25 hours)

- Operating within the Incident Command System
- Health and Safety Awareness
- Stress and Resilience
- Cancer Awareness
- Structural Personal Protective Equipment
- Self-Contained Breathing Apparatus
- Using SCBA During Emergency Operations
- Doffing SCBA and PPE for Gross Decontamination
- Responding on an Apparatus to an Emergency Scene
- Establishing and Operating in Work Areas at an Emergency

Communications (Firefighter 1A - Unit 3) (1.5 hours)

- Receiving a Non-Emergency Telephone Call
- Initiating a Response to a Reported Emergency
- Transmitting and Receiving Messages Via Radio

Communications (Firefighter 2A - Unit 2) (1.5 hours)

- Completing a Basic Incident Report
- Communicating the Need for Team Assistance

Tools and Equipment (Firefighter 1A - Unit 4) (6 hours)

- Utilizing Ropes and Knots
- Utilizing Hand and Power Tools
- Operating Emergency Scene Lighting
- Operating an Air-Monitoring Instrument

Structural Fire Suppression (Firefighter 1A - Unit 5) (7 hours)

- Building Construction (Unit 5, Topic 5-1)
- Fire Behavior (Unit 5, Topic 5-2)

Incident Command System (8 hours)

Organization and Leadership (5.75 hours)

Total hours: 54

Laboratory/Studio Content

Firefighter Safety (Fire Fighter 1A - Unit D) (20.25 hours)

- Operating within the Incident Command System
- Health and Safety Awareness
- Stress and Resilience
- Cancer Awareness
- Structural Personal Protective Equipment
- Self-Contained Breathing Apparatus
- Using SCBA During Emergency Operations
- Doffing SCBA and PPE for Gross Decontamination
- Responding on an Apparatus to an Emergency Scene
- Establishing and Operating in Work Areas at an Emergency

Fire Department Communications (Fire Fighter 1A - Unit 3) (.5 hours)

- Receiving a Non-Emergency Telephone Call
- Initiating a Response to a Reported Emergency

- Transmitting and Receiving Messages Via Radio

Fire Department Communications (Firefighter 2A - Unit 2) (1 hour)

- Completing a Basic Incident Report
- Communicating the Need for Team Assistance

Tools and Equipment (Fire Fighter 1A - Unit 4) (6.5 hours)

- Utilizing Ropes and Knots
- Utilizing Hand and Power Tools
- Operating Emergency Scene Lighting
- Operating an Air-Monitoring Instrument

Structural Fire Suppression (Unit 5) (1 hour)

- Building Construction (Unit 5, Topic 5-1)
- Fire Behavior (Unit 5, Topic 5-2)

Station, Grounds, and Equipment Maintenance (10 hours)

- Leadership traits
- Leadership behaviors
- Effective leadership in adverse situations

Testing (14.75 hours)

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 liason?

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