



COURSE OUTLINE : FIRE 119

D Credit – Degree Applicable

COURSE ID 001495

Cyclical Review: October 2020

COURSE DISCIPLINE : FIRE
COURSE NUMBER : 119
COURSE TITLE (FULL) : Fire Academy IV
COURSE TITLE (SHORT) : Fire Academy IV

CATALOG DESCRIPTION

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. Experience requirements will still need to be met prior to application for Firefighter I certification.

Total Lecture Units: 9.00

Total Laboratory Units: 3.00

Total Course Units: 12.00

Total Lecture Hours: 162.00

Total Laboratory Hours: 198.00

Total Laboratory Hours To Be Arranged: 0.00

Total Contact Hours: 360.00

Total Out-of-Class Hours: 324.00

Prerequisite: FIRE 118.



ENTRY STANDARDS

	Subject	Number	Title	Description	Include
1	FIRE	118	Fire Academy III	select appropriate ventilation techniques and equipment;	Yes
2	FIRE	118	Fire Academy III	explain various techniques of rescue and forcible entry;	Yes
3	FIRE	118	Fire Academy III	demonstrate the operations of rapid intervention companies;	Yes
4	FIRE	118	Fire Academy III	demonstrate techniques of vehicle extrication;	Yes
5	FIRE	118	Fire Academy III	demonstrate techniques for rescue emergencies;	Yes
6	FIRE	118	Fire Academy III	select appropriate tools and equipment for rescue;	Yes
7	FIRE	118	Fire Academy III	demonstrate the techniques for effective river and flood rescue operations;	Yes
8	FIRE	118	Fire Academy III	identify confined space rescue situations and demonstrate the basic confined space rescue techniques;	Yes
9	FIRE	118	Fire Academy III	demonstrate various techniques used in wild land fire fighting.	Yes

EXIT STANDARDS

- 1 explain techniques for flashover survival;
- 2 demonstrate techniques of structural fire fighting;
- 3 demonstrate techniques of compressed gas and flammable liquid fire fighting;
- 4 operate in multiple company evolutions;
- 5 identify hazardous materials incidents including those that involved weapons of mass destruction;
- 6 employ trench rescue equipment, tool, and practical incident stabilization;
- 7 use various rescue systems such as moving heavy objects, building shoring, and setting up rope rescue systems;
- 8 demonstrate techniques used to rescue persons from moving water;
- 9 demonstrate the ability to work as a member of a team to perform fire ground multi-company operations.

STUDENT LEARNING OUTCOMES

- 1 demonstrate appropriate techniques for moving heavy objects;
- 2 perform appropriate techniques for rope rescue emergencies;
- 3 demonstrate physical fitness requirements to meet standards and pass the Firefighter 1 Certification Test.



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COURSE CONTENT WITH INSTRUCTIONAL HOURS

	Description	Lecture	Lab	Total Hours
1	Suppression of Fires Outside a Structure (FF1A Unit 7)	24	0	24
2	Structural Fire Suppression (FF1A Unit 5)	18	0	18
3	Flashover Recognition and Survival (FSTEP FC2)	18	0	18
4	Structural Fire Fighting in Live-Fire Simulators (FSTEP FC3B)	26	0	26
5	Multi-Company Evolutions	42	0	42
6	Compressed Gasses and Flammable Liquids (FSTEP FC4)	18	0	18
7	Hazardous Materials/WMD Awareness (FF1B Unit 2)	16	0	16
8	Hazardous Materials/WMD Operations (FF1B Unit 3)	0	20	20
9	Wildland Firefighting (FF1C)	0	30	30
10	Confined Space Rescue Awareness (FSTEP)	0	10	10
11	Fitness and Conditioning	0	42	42
12	Testing	0	96	96
				360

OUT OF CLASS ASSIGNMENTS

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

METHODS OF EVALUATION

- 1 Manipulative skills demonstrations / Manipulative Final Exam / Skills Testing;
- 2 Evaluation of student projects / reports;
- 3 In-class written tests and one written block examination;
- 4 Uniform Inspections;
- 5 Notebook Inspections;
- 6 Code of conduct evaluations / points system.

METHODS OF INSTRUCTION

- Lecture
- Laboratory
- Studio
- Discussion
- Multimedia



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- Tutorial
- Independent Study
- Collaboratory Learning
- Demonstration
- Field Activities (Trips)
- Guest Speakers
- Presentations

TEXTBOOKS

Title	Type	Publisher	Edition	Medium	Author	ISBN	Date
Fundamentals of Fire Fighter Skills	Required	Jones & Bartlett Learning	4	print	International Association of Fire Chiefs	978-1284144611	2019