

Course Outline

COURSE: JFT 226 **DIVISION:** 50 **ALSO LISTED AS:**

TERM EFFECTIVE: Spring 2021 **CURRICULUM APPROVAL DATE:** 12/8/2020

SHORT TITLE: FIRE FIGHTER ACADEMY II

LONG TITLE: Fire Fighter Academy II

<u>Units</u>	<u>Number of Weeks</u>	<u>Type</u>	<u>Contact Hours/Week</u>	<u>Total Contact Hours</u>
4	18	Lecture:	2	36
		Lab:	5.15	92.7
		Other:	0	0
		Total:	7.15	128.7
		Total Learning Hrs:	200.7	

COURSE DESCRIPTION:

Provides the skills and knowledge needed for the firefighter to take on increased leadership roles and responsibilities pertaining to fire department communications, fireground operations, rescue operations, and fire and life safety initiatives, preparedness, and maintenance. This course follows Firefighter I Academy. Advisory JFT 225

PREREQUISITES:

COREQUISITES:

CREDIT STATUS: D - Credit - Degree Applicable

GRADING MODES

L - Standard Letter Grade

REPEATABILITY: N - Course may not be repeated

SCHEDULE TYPES:

02 - Lecture and/or discussion

04 - Laboratory/Studio/Activity

STUDENT LEARNING OUTCOMES:

By the end of this course, a student should:

1. Identify different levels in the firefighter certification track, the courses and requirements for certification and capstone testing process.
2. Develop and coordinate activities using the incident management system until command is transferred.
3. Outline steps necessary for protecting evidence of fire cause and origin.
4. Demonstrate how to extinguish an ignitable liquid fire, a flammable gas cylinder fire. and coordinate an interior attack line for attic, grade level, upper level and basement fires.
5. Apply and demonstrate vehicle stabilization and extrication techniques, and how to maintain power equipment.

CONTENT, STUDENT PERFORMANCE OBJECTIVES, OUT-OF-CLASS ASSIGNMENTS

Curriculum Approval Date: 12/8/2020

LECTURE CONTENT:

- I. Fire Fighter 2 Certification Process and Roles and Responsibilities (12 hours)
- II. Fire Department Communications (24 hours)
 1. Basic Incident Report
 2. Communicating the Need for Team Assistance
 - a. Alarm Assignments
 - b. Radio Communication Procedures

Because of the integrated nature of the lab/lecture method of instruction, the content for both lecture and lab are infused in all subjects

LAB CONTENT:

- III. Fireground Operations (32 hours)
 - 1. Extinguishing an Ignitable Liquid Fire
 - 2. Controlling a Flammable Gas Cylinder Fire
 - a. Characteristics of pressurized flammable gases
 - b. Execute effective advances and retreats
 - c. Apply various techniques for water application
 - 3. Coordinating an Interior Attack Line
 - a. Nozzle and hose for fire attack
 - b. Indicators of building collapse
 - c. Fire suppression
 - d. Search and rescue
 - 4. Protecting Evidence of Fire Cause and Origin
- IV. Rescue Operations (32 hours)
 - 1. Extricating a Victim Entrapped in a Motor Vehicle
 - a. Fire departments role at a vehicle accident
 - b. Uses and limitations of hand and power equipment
 - c. Safety procedures
 - 2. Assisting Rescue Operation Teams
 - a. Fire fighters role at a technical rescue operation
 - b. Hazards associated with technical rescue operations
 - c. Rescue tools
- V. Fire and Life Safety (28 hours)
 - 1. Performing a Fire Safety Survey in an Occupied Structure
 - 2. Presenting Fire Safety Information to Station Visitors or Small Groups
 - a. Departmental standard operating procedures for fire station tours
 - 3. Preparing for Preindictment Survey
 - 4. Maintaining Power Plants, Power Tools, and Lighting Equipment
 - a. Types of cleaning methods
 - b. Problem-reporting practices
 - 5. Performing an Annual Service Test on Fire Hose

METHODS OF INSTRUCTION:

Lecture / Lab

OUT OF CLASS ASSIGNMENTS:

Out of Class Assignments

Required Outside Hours: 36

Assignment Description: Read all chapters of the Fundamentals of Fire Fighter Skills and Hazardous Materials Response

Required Outside Hours: 36

Assignment Description:

- 1. Given written scenarios, students will complete a basic incident report.
- 2. Working in groups using provided scenarios, students will solve problems relating to fire suppression approaches and practices for various structural fires, i.e., single family, multi-family, commercial and high-rise.

METHODS OF EVALUATION:

Objective examinations

Percent of total grade: 25.00 %

Students will take a multiple choice test on performing a fire safety survey in a private dwelling. Complete all activities, skills and formative tests with a minimum score of 80%

Skill demonstrations

Percent of total grade: 50.00 %

Working in a team using identified techniques and safety guidelines, students will demonstrate how to safely extinguish an ignitable liquid fire. Complete all activities, skills and formative tests with a minimum score of 80%

Problem-solving assignments

Percent of total grade: 25.00 %

Given a vehicle accident scenario, students will work in groups to identify problems and determine appropriate actions necessary to stabilize and extricate victims. Complete all activities, skills and formative tests with a minimum score of 80%

REPRESENTATIVE TEXTBOOKS:

National Fire Protection Association (NFPA) and the International Association of Fire Chiefs. Fundamentals of Fire Fighting Skills Student Manual . Jones and Bartlett Learning,2020.

Reading Level of Text, Grade: 12

ARTICULATION and CERTIFICATE INFORMATION

Associate Degree:

CSU GE:

IGETC:

CSU TRANSFER:

Transferable CSU, effective 202130

UC TRANSFER:

Not Transferable

SUPPLEMENTAL DATA:

Basic Skills: N

Classification: Y

Noncredit Category: Y

Cooperative Education: N

Program Status: 1 Program Applicable

Special Class Status: N

CAN:

CAN Sequence:

CSU Crosswalk Course Department:

CSU Crosswalk Course Number:

Prior to College Level: Y

Non Credit Enhanced Funding: N

Funding Agency Code:

In-Service: N

Occupational Course: C

Maximum Hours:

Minimum Hours:

Course Control Number: CCC000620699

Sports/Physical Education Course: N

Taxonomy of Program: 213300