

# El Paso Community College

## Syllabus

### Part II

## Official Course Description

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| <b>SUBJECT AREA</b>             | <u>Fire Technology</u>                            |
| <b>COURSE RUBRIC AND NUMBER</b> | <u>FIRS 1419</u>                                  |
| <b>COURSE TITLE</b>             | <u>Firefighter Certification IV</u>               |
| <b>COURSE CREDIT HOURS</b>      | <u>4      3    :    3</u><br>Credits   Lec    Lab |

### I. Catalog Description

Provides one in a series of courses in basic preparation for a new firefighter. Should be taken in conjunction with Firefighter Certification I, II, III, V, VI, and VII to satisfy the Texas Commission on Fire Protection (TCFP) curriculum for Basic Structural Fire Suppression, Course #100. Student must participate in a Fire Technology Academy orientation; pass an agility exam, and see the Fire Technology counselor at the Valle Verde campus before enrolling in FIRS courses. In the part-time schedule, i.e. evening and weekend sections FIRS 1419 and FIRS 1433 are offered concurrently. Students enrolling in FIRS 1419 in the part-time schedule must also enroll in all evening and weekend sections of FIRS 1433. In the full-time schedule, i.e. weekday sections, FIRS 1401, FIRS 1407, FIRS 1413, FIRS 1419, and FIRS 1433 are offered concurrently. Students enrolling in FIRS 1419 in the full-time schedule must also enroll in all weekday sections of FIRS 1401, FIRS 1407, FIRS 1413, and FIRS 1433. Refer to the Basic Firefighter Certification Certificate of Completion in the college catalog for the complete part-time and full-time schedules.

**Prerequisites: READ 0308 (can be taken concurrently) or by placement exam and FIRS 1103 and FIRT 1301 and FIRT 1319. Corequisites: FIRS 1401 and FIRS 1407 and FIRS 1413 and FIRS 1433.**

**\*\*\*THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS CERTIFIED AS A TRAINING FACILITY BY THE TEXAS COMMISSION ON FIRE PROTECTION. \*\*\***

(3:3).

### II. Course Objectives

#### A. Section 123, Building Construction (4 Hours)

- 1.00 Identify and describe the basic types of building construction and the general fire behavior expected with each type of construction.
- 2.00 Identify hazards related to building construction that affect fire fighter safety.

#### B. Section 102, Forcible Entry (12 Hours)

- 1.00 Identify, safely carry, and describe how to use forcible entry tools safely.
- 2.00 Identify and describe the methods and procedures for properly cleaning, maintaining, and inspecting forcible entry tools.
- 3.00 Identify materials and construction features, and describe the dangers associated with forcible entry for doors, locks, glass, fences, windows, floors, and walls, and may simulate forcible entry with each.

#### C. Section 111, Rescue (16 Hours)

- 1.00 Describe and demonstrate the proper techniques of searching for victims.
- 2.00 Demonstrate the proper techniques for removing injured persons from hazardous environments.
- 3.00 Describe and demonstrate the techniques of packaging a victim for emergency transportation.

- D. Section 112, Inspections (12 Hours)**
- 1.00 Describe the purpose of the NFPA standard applicable to fire prevention inspections. (5.1)
  - 2.00 Identify and define legal issues concerning fire prevention inspections.
  - 3.00 Identify and define the reasons and methods of conducting fire prevention inspections.
  - 4.00 Identify and define occupancy classifications, means of egress, and fire load as set forth by.
  - 5.00 Identify and define causes and prevention of fires and typical fire hazards in and around a structure.
- E. Section 114, Fire Protection Systems (8 Hours)**
- 1.00 Describe the purpose of the NFPA standards applicable to fire protection systems.
  - 2.00 Identify the features and characteristics of automatic sprinkler systems.
  - 3.00 Identify various automatic sprinkler heads.
  - 4.00 Identify the types, components, and operation of automatic sprinkler systems.
  - 5.00 Identify the types, components, and operation of standpipe systems.
  - 6.00 Identify various types of special extinguishing systems.
- F. Section 116, Hazardous Materials Awareness  
(Recommended - 12 Hours) (Minimum Required - 8 Hours)**
- 1.00 Identify and be able to describe the purpose, goals, and definitions of the NFPA standards applicable to Hazardous Materials.
  - 2.00 Demonstrate knowledge of safety principles applicable to hazardous materials response at the awareness level.
  - 3.00 Demonstrate acknowledge of hazardous material incident management concepts as applicable to hazardous materials incident response.
  - 4.00 Identify principles pertaining to the recognition of hazardous materials.
  - 5.00 Demonstrate a knowledge of principles of classification, identification, and verification of hazardous materials and shall, given examples of facility and transportation hazardous materials incidents, describe, identify, and demonstrate the actions to be taken in hazardous materials incidents.
  - 6.00 Demonstrate acknowledge of the standard operating procedures and the local emergency response plan adopted by the authority or authorities having jurisdiction.
  - 7.00 Identify the threat posed by the intentional releases of hazardous materials due to acts of terrorism or other criminal activity.
- G. Section 117, Emergency Service Communications (4 Hours)**
- 1.00 Explain, identify, or demonstrate emergency service communication procedures.
  - 2.00 Demonstrate the operation of both mobile and portable radio equipment.
  - 3.00 Define the policy and demonstrate the procedures concerning the ordering and transmitting of multiple alarms of fire and calls for special assistance from the emergency scene according to the local authority having jurisdiction.
- H. Section 118, Public Relations and Fire Safety Education (4 Hours)**
- 1.00 Describe the importance and purpose of communications between the fire department and the community.
  - 2.00 Identify the components of a public fire education program and the importance of documentation.
- I. Section 125, Fire Cause and Origin Determination (4 Hours)**
- 1.00 Identify the responsibilities of the fire fighter, which could assist in the subsequent investigation of a fire.
  - 2.00 Identify methods for protecting and preserving evidence at a fire scene.

### III. THECB Learning Outcomes (WECM)

Demonstrate competencies, for subjects taught, set forth in the TCFP curriculum for Basic Fire Suppression.

### IV. Evaluation

**Attendance Policy:** Students absent for two more class periods without a valid excuse as determined by the instructor may be dropped from the course. Any exam or assignment not completed as a result of an unexcused absence will receive a grade of "0" for that exam or assignment.

Students who do not attend class before or on the census date listed in the Credit Course Schedule and the Course Calendar and have not contacted the instructor with a valid excuse will be dropped from the course.

**Tardiness Policy:** Students must be seated and ready to begin class at the scheduled time. Students tardy for two or more class periods without a valid excuse as determined by the instructor may be dropped from the course.

Expect class to last the entire scheduled time. Students may not leave class early without a valid excuse or without having made arrangements with the instructor. Students doing so will be considered absent for that class period.

**Withdrawal Policy:** Students who desire to withdraw are responsible for initiating withdrawal action through the EPCC Registrar's Office according to the policy in the Credit Class Schedule. **After the drop date listed in the Credit Class Schedule and the Course Calendar, students will receive a grade based upon all required items. Items not completed will be given a grade of "0".**

Students requesting an Incomplete, "I", must comply with EPCC policies and procedures listed in the Credit Class Schedule.

**Cheating Policy:** Students determined to be cheating on an exam or plagiarizing another student's assignment will be given a grade of "0" for that exam or assignment. An incident report documenting the circumstances will be prepared by the Instructor and submitted to the Instructional Coordinator of Fire Technology and then forwarded to the Instructional Dean Occupational Education. A copy of the report will be provided to the student. A second such incident will be grounds for dismissal of the student from the course with a grade of "F".

#### Grading Scale

A: 90- 100  
B: 80 - 89  
C: 75 - 79  
D: 70 - 74  
F: 0 - 69

### V. Disability Statement (Americans with Disabilities Act [ADA])

EPCC offers a variety of services to persons with documented sensory, mental, physical, or temporary disabling conditions to promote success in classes. If you have a disability and believe you may need services, you are encouraged to contact the Center for Students with Disabilities to discuss your needs with a counselor. All discussions and documentation are kept confidential. Offices located: VV Rm C-112 (831-2426); TM Rm 1400 (831-5808); RG Rm B-201 (831-4198); NWC Rm M-54 (831-8815); and MDP Rm A-125 (831-7024).

**VI. 6 Drop Rule**

Students who began attending Texas public institutions of higher education for the first time during the Fall 2007 semester or later are subject to a 6-Drop limit for all undergraduate classes. Developmental, ESL, Dual Credit and Early College High School classes are exempt from this rule. All students should consult with their instructor before dropping a class. Academic assistance is available. Students are encouraged to see Counseling Services if dropping because exemptions may apply. Refer to the EPCC catalog and website for additional information.