

# El Paso Community College

## Syllabus

### Part II

## Official Course Description

<b>SUBJECT AREA</b>	<u>Fire Technology</u>
<b>COURSE RUBRIC AND NUMBER</b>	<u>FIRS 1413</u>
<b>COURSE TITLE</b>	<u>Firefighter Certification III</u>
<b>COURSE CREDIT HOURS</b>	<u>4    2    :    6</u> 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, IV, 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 1413, EMSP 1160, and EMSP 1501 are offered concurrently. Students enrolling in FIRS 1413 in the part-time schedule must also enroll in all evenings and weekend sections of FIRS 1413.

**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 1419 and FIRS 1433. **\*\*\*THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS CERTIFIED AS A TRAINING FACILITY BY THE TEXAS COMMISSION ON FIRE PROTECTION. \*\*\*** (2:6).

### II. Course Objectives

#### A. Section 104, Ropes, Knots, and Hitches (16 Hours)

- 100 Describe the purpose of the NFPA standard applicable to ropes.
- 2.00 Identify the construction characteristics of rope and select rope to accomplish a given task.
- 3.00 Identify and demonstrate the terms used when tying a knot or hitch and describe their uses.
- 4.00 Explain the uses of and tie knots with safety and given a task, shall select the appropriate knot.
- 5.00 Describe and demonstrate the procedures for the inspection, maintenance, and storage of ropes, and identify when they should be taken out of service.
- 6.00 Describe and demonstrate hoisting any selected forcible entry tool, ground ladder, or appliance to a height of at least 12 feet using an approved knot with safety.
- 7.00 Explain and demonstrate how to use a rope to tie ladders, hose, and other equipment so as to secure the devices to immovable objects.

#### B. Section 107, Fire Service Salvage (8 Hours)

- 1.00 Identify and describe the purpose of salvage and its value to the fire department and in public relations.
- 2.00 Demonstrate and describe the construction and use of a water chute.

- 3.00 Demonstrate and describe the procedures of inspection, cleaning, and maintaining salvage equipment.
- 4.00 Demonstrate and describe folds and rolls of salvage covers.
- 5.00 Demonstrate and describe salvage cover throws.
- 6.00 Demonstrate the construction and use of a water catch-all and a catch basin.
- 7.00 Demonstrate the removal and routing of water and the removal of debris from a structure.
- 8.00 Demonstrate the covering or closing of openings made during firefighting operations.

**C. Section 110, Ventilation (20 Hours)**

- 1.00 Identify and describe the principles, advantages, and effects of proper ventilation.
- 2.00 Describe the considerations affecting the decision to ventilate.
- 3.00 Demonstrate and describe natural and mechanical methods for horizontal ventilation of a structure.(4.6)
- 4.00 Describe and identify natural and mechanical methods for vertical ventilation.

**D. Section 119, Wildland Fire Suppression (8 Hours)**

- 1.00 Define the following terms related to wildland fire suppression.
- 2.00 Identify fire behavior as related to natural fuels.
- 3.00 Demonstrate the ability to locate a wildfire.
- 4.00 The fire fighter trainee shall identify the actions in sizing up a wildfire.
- 5.00 Identify wildland fire suppression terminology and methods.
- 6.00 Identify the techniques and benefits of mop up in wildland fire suppression.
- 7.00 Identify safety concerns in wildland fire suppression.

**E. 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.

**F. Section 124, Live Fire Training (24 Hours)**

- 1.00 Identify and describe the general requirements, purpose, and definitions of the NFPA standard(s) applicable to Live Fire Training Evolutions.
- 2.00 Extinguish or control live fires.
- 3.00 Perform ventilation during live fire training.
- 4.00 Properly use a ladder during live fire training.

**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.