

**El Paso Community College**  
**Syllabus**  
**Part II**  
**Official Course Description**

<b>SUBJECT AREA</b>	<u><b>Fire Technology</b></u>
<b>COURSE RUBRIC AND NUMBER</b>	<u><b>FIRT 1301</b></u>
<b>COURSE TITLE</b>	<u><b>Fundamentals of Fire Protection</b></u>
<b>COURSE CREDIT HOURS</b>	<u><b>3      3    :    0</b></u> Credits   Lec    Lab

**I. Catalog Description**

Provides an overview to fire protection, career opportunities in fire protection and related fields, philosophy and history of fire protection/service, fire loss analysis, organization and function of public and private fire protection/services, fire departments as part of local governments, laws and regulations affecting the fire service, fire service nomenclature, specific fire protection functions, and basic fire chemistry and physics. Includes introduction to fire protection systems and introduction to fire strategy and tactics. This course meets Fire and Emergency Services Higher Education (FESHE) Model Curriculum core requirements. **(3:0).**

**II. Course Objectives**

- A. Describe basic firefighter qualifications and requirements, typical working conditions and various career opportunities within the fire service.
- B. Describe the historical background and development of fire protection services and fire equipment in the United States.
- C. Describe fundamental aspects of the U.S. fire problem, including injuries and life and property losses due to fire.
- D. Describe elements of the combustion process, characteristics of fire behavior, and define common terms relative to fire.
- E. Identify private and public fire protection agencies and organizations and their functions.
- F. Identify fire department facilities, types of fire apparatus and related functions, and basic tools and equipment utilized by fire departments.
- G. Describe fundamental fire department management principles, including organizational and staffing requirements.
- H. Describe a modern fire department, including basic fire department support functions.
- I. Describe the basic elements of a fire prevention program, including the enforcement of fire codes and ordinances.
- J. Describe the basic types of public and private fire protection, including basic types of extinguishing and detection systems.
- K. Identify and describe components of the Incident Management System.
- L. Identify types of emergencies to which fire departments typically respond and describe hazards commonly associated with these emergencies.
- M. As a result of the Course Project, students will be able to identify and describe all aspects and components of department operations, including: basic mission, functions and activities, personnel functions, and required material resources.

**III. THECB Learning Outcomes (WECM)**

- 1. Describe a modern fire protection agency.
- 2. Outline the organizational and staffing requirements for fire protection.
- 3. Identify public and private fire protection agencies.

#### 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.