

# Fire Protection Organization

## FTEC-1 Syllabus

Fall 2015 Semester

### Instructor Information

Instructor:  
Kevin Coffelt

Email Office:  
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Location & Hours:  
Rm. TECH 214  
Saturdays 9am-12:10pm

### General Information

#### Description

This course provides an introduction to fire protection. Emphasis is placed on career opportunities in fire protection and related fields and the philosophy and history of fire protection. Additional topics include fire loss analysis; organization and function of public and private fire protection services; fire departments as part of local government; laws and regulations affecting the fire service; fire service; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection systems; and introduction to fire strategy and tactics.

### Course Materials

- **Required Materials**

- Textbook (required): Introduction to Fire Protection, 4<sup>th</sup> ed., by Robert Klinoff, Del Mar Publishers (available in the El Camino Bookstore)
- Optional- An E-text is available for a significant discount at: <http://www.cengage.com/>
- Note book
- Scantrons for quizzes, midterm and final exams

- **Recommended Materials**

- Textbook (highly recommended): The Aspiring Firefighter's 2 Year Plan, 3<sup>rd</sup> ed., by Paul S. Lepore (available online for purchase)

### Attendance/Class demeanor

- Be on time! This will be expected of you for your ENTIRE career in the fire service.
- There is an expectation to attend every class, although there will be not grading for attendance, the ECC policy does allow faculty to drop students after 3 absences. This policy will be strictly adhered to. Students with special circumstances **MUST** discuss this with the instructor.
- Come to class ready to participate. Students are all here to learn about the fire department. Help each other, but be courteous to the instructor and other students.
- Cell phones are for **OUTSIDE** of class. Please use phones at breaks only. We will have a break approximately every 50 minutes. If you have an emergency call

you are expecting, let the instructor know before class.

- Turn in your assignments on time! Half points will be assigned for late submissions.
- Use this time to **LEARN** what it takes to be a firefighter!

### Quiz/ Exam Schedule

- There will be a 10 point quiz each week except the weeks 1, 8, 9, and 16
- The midterm exam will cover chapters 1-7 (50 questions) on week 8
- The final exam will cover chapters 8-14 (50 questions) on week 16

### Projects

- Project #1 is due by Week 8- project will include filling out a fire department application and developing a resume. Specific details for the project will be handed out in class. Worth 50 points (25 for application, 25 for resume).
- Project #2 is due by week 15- project will include choosing a fire department to research, visitation of the City Hall and/or Chamber of Commerce, then scheduling an interview with a member of the department you chose to research. Details for the project will be handed out in class. Worth 100 points.

### Grading

- Midterm/Final Exams (50 points each)= 100 points
- Quizzes (14 quizzes worth 10 points each)= 140 points
- Project #1 (application/resume)= 50 points
- Project #2 (FD research project)= 100 points
- Total possible points (without extra credit)= 390 points
- May earn up to 25 extra credit points (see details below)

### Course Schedule

Week	Topic	Reading	Exercises
1	Fire Science Education and the Firefighter Selection Process	Chapter 1	
2	Fire Protection Career Opportunities	Chapter 2	Quiz- Chapt. 1
3	Public Fire Protection	Chapter 3	Quiz- Chapt. 2
4	Chemistry and Physics of Fire	Chapter 4	Quiz- Chapt. 3
5	Public and Private Support Organizations	Chapter 5	Quiz- Chapt. 4
6	Fire Department Resources	Chapter 6	Quiz- Chapt. 5
7	Fire Department Administration	Chapter 7	Quiz- Chapt. 6
8	Midterm Exam		Project #1 Due
9	Support Functions	Chapter 8	

10	Training	Chapter 9	Quiz- Chapt. 8
11	Fire Prevention	Chapter 10	Quiz- Chapt. 9
12	Codes and Ordinances	Chapter 11	Quiz- Chapt. 10
13	Fire Protection Systems and Equipment	Chapter 12	Quiz- Chapt. 11
14	Emergency Incident Management	Chapter 13	Quiz- Chapt. 12
15	Emergency Operations	Chapter 14	Quiz- Chapt. 13 Project #2 Due
16	Final Examination		

### **Extra Credit**

Read a major newspaper story pertaining to a fire department. A total of 25 extra credit points can be earned (up to 5 articles at 5 points each). Students must attach to the article a minimum of ½ page description of the story and how it pertains to the fire service or this class, then present it to the class on the day it is brought in. Students may only bring ONE submission in per class. Include the name of the newspaper, magazine, or website (internet address), date, title, and author.

### **Academic Misconduct**

The Fire Service is respected for its honesty and it's professional conduct must be above question. Cheating, plagiarism, collusion, abuse of resource materials, computer misuse, fabrication or falsification, multiple submissions, complicity in academic misconduct, and/or bearing false witness will not be tolerated. Violation will be dealt with according to the procedures and sanctions proscribed by El Camino College. Students caught plagiarizing or cheating on exams will receive an "F" in the course.

- The Student Code of Conduct is available online on the ECC website:  
<http://www.elcamino.edu/studentservices/activities/codeofconduct.asp>