

El Camino Community College

Fall 2014

Fire and Emergency Technology 9

Fire Apparatus and Equipment

#7584 Wednesdays, 6:30 p.m. - 9:40 p.m. Room TA 255

Instructor: William Warren (Fire Chief) (Voice mail) 310-660-3593. When you
hear the campus greeting, dial 4520.

Text: Sturtevant, Dr. Thomas B., Introduction to Fire Pump Operations, 3rd ed.,
2012. New York: Thompson Delmar Learning.

Course Description

This course is a study of fire apparatus design and use. It includes a review of construction specifications and performance capabilities, as well as effective deployment, utilization, and student operation of the equipment.

Student Learning Outcomes (SLO)

Upon successful completion of this course, the student will be able to:

1. Identify different types of fire apparatus.
2. Identify the operation a fire engine including:
 - a. The pre-trip inspection.
 - b. Starting and stopping a fire engine.
 - c. Hand signals for "backing" a fire engine.
 - d. Tools and equipment on an engine.

Class Schedule

Date	Wk.	Subject	Chap.	Quiz
27-Aug	1	Introduction, Registration, and Syllabus		
3-Sep	2	Pump Operator Duties and Responsibilities	1	
10-Sep	3	Emergency Vehicle Preventive Maintenance	2	1 (10)
17-Sep	4	Driving Emergency Vehicles	3	2 (10)
24-Sep	5	Driving Emergency Vehicles	3	3a (10)
1-Oct	6	Start, Stop, and Backup Procedures		3b (15)
8-Oct	7	Class Project Guidelines; Review for Mid-term		
15-Oct	8	Mid-Term Examination		
22-Oct	9	Mid-Term Review; Grade Review		
29-Oct	10	Fire Academy: Fire Apparatus Inspection		
5-Nov	11	Pump Operating Principals and Construction	4	
12-Nov	12	Pump and Apparatus Peripherals	5	4 (10)
19-Nov	13	Hose, Appliances, and Nozzels; Class Proj. Due	6	5 (10)
26-Nov	14	Water Supplies	7	6 (10)
3-Dec	15	Review for Final; Grade Review		7 (15)
10-Dec	16	Final Examination		

Grading Criteria

Grading:

Attendance: 160 points (16 weeks)

Quizzes: 90 points

Mid-term Exam: 45 points (45 questions)

Class Project: 95 points

Final Exam: 90 points (90 questions)

Total Points: 480 points

Grades:

A 480 - 432 points

B 431 - 384 points

C 383 - 336 points

D 335 - 288 points

F 287 or below

Equipment Needed

Students will need #2 pencils, eight short scantrons for the quizzes and two long scantrons for the mid-term and final examinations. Unless you receive an excused absence for a missed class, there will be **no makeup's**.

Attendance During Semester

College attendance policies relating to 16 week classes state that "Students whose absences from a class exceed 10% of the scheduled class meeting time may be dropped by the instructor."

Everyday that the student is on-time to class, he or she will receive 10 points.

Everyday that the student is tardy or leaves class early without approval, he or she will lose 5 points. Additionally, 10% will be deducted from any assignment and/or test on such day.

Regular attendance, getting to class on time, reading the assigned chapters, and taking lecture notes is the best assurance of a good grade.

Disability: If you have a documented disability and wish to discuss academic accommodations, please contact me as soon as possible.

Field Trip

The Field Trip will take place at the El Camino Fire Academy, which is located at 206 W. Beach Ave., Inglewood, CA.

Maps and the alternate site meeting form shall be distributed to the students one week prior to the assigned date. Proper etiquette will also be discussed.

Students who fail to attend the field trip shall have points deducted from their accumulated scored equal to 10% of the total score for this course.

Class Project

The term project for this class must be typed and at least six pages in length. You will be given a handout on term paper guidelines for more detailed instructions and periodic verbal instructions.