

IMPERIAL VALLEY COLLEGE
FALL SEMESTER - 2012
FIRE PROTECTION ORGANIZATION
FIRE TECHNOLOGY (FT-100)
CRN 10963

Instructor(s): R. Malek Phone – 760 355-1191 Ext.115

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Day: Tue
On Campus
Room: 2137

Text and Supplies:

The following text and supplies are required for this course:

IFSTA - Fire Service Orientation and Terminology, Fifth Edition
Scantrons and #2 pencils

Course Goals

The goals of this course is to provide the student with an introduction to fire protection; career opportunities in fire protection and related fields; philosophy and history of fire protection; organization and function of public and private fire protection services; fire department as a part of local government; laws and regulations affecting the fire service; fire service nomenclature; specific fire protection functions; basic fire chemistry and physics; introduction to fire protection systems; and an introduction to fire strategy and tactics.

Course Objectives

Student will demonstrate a working knowledge of:

1. The scope and content of fire technology curriculum, career potential assessment, affirmative action, equal employment opportunity commission, available training programs, and personnel development programs.
2. Public and private fire protection careers.
3. The history of fire protection, fire losses, the purpose and scope of fire agencies, and defense planning.
4. Types of organizations, advisory and regulatory agencies, private fire suppression organizations, and proprietary services.
5. The characteristics and behavior of fire.

6. The department facilities, types of apparatus and their functions, equipment and tools carried on apparatus, and personal safety equipment.
7. Operational functions of a fire department.
8. Emergency operations including personnel, alarm systems, and standard operating procedures.
9. Fire prevention personnel and positions, responsibilities of the Fire Prevention Bureau, company inspection programs, and fire information reporting systems.
10. Training as it pertains to personnel and positions, skill development and maintenance, and performance standards.
11. Fire administration as it pertains to personnel and positions, functions, relationship of fire department with other agencies, rules and regulations, internal and external influences, and computer applications.
12. Codes and ordinances, including federal, state, and local, the responsibility for enforcement, the relationship of codes and standards, and the relationship of federal, state, and local regulations.
13. Public and private fire protection systems and extinguishing agents.
14. Emergency incident management, including strategy development, relationship of strategy to tactics, and incident command systems.

CLASS SCHEDULE

Date/Time: Subject/Assignments

- | | |
|---------------------------------|---|
| Aug 21st
1830 – 2140 | <i>Lecture:</i> Orientation and Fire Technology Curriculum; Chapter 1 “The Fire Service as a Career”.
<i>Assignment:</i> Read Chapter 1 “The Fire Service as a Career” and Chapter 2 “Roles of Fire Service Personnel” |
| Aug 28th
1830 - 2140 | <i>Lecture:</i> Chapter 2 “Roles of Fire Service Personnel”
<i>Assignment:</i> Read Chapter 3 “Early Traditions and History” |
| Sept. 4th
1830 – 2140 | <i>Quiz #1- Chapters 1 & 2</i>
<i>Lecture:</i> Chapter 3 “Early Traditions and History”
<i>Assignment: Project #1 - Develop a 5-year career time line. Submit for review on April 6th .</i> |
| Sept 4th | <i>(Census roster due)</i> |
| Sept 11th
1830 – 2140 | <i>Lecture:</i> Chapter 3 “Early Traditions and History”
<i>Assignment:</i> Read Chapter 4 “Fire Prevention, Firefighter Safety, Public Fire and Life Safety Education, and Fire Investigation” |

- Sept 18th** *Lecture:* Chapter 4 “Fire Prevention, Firefighter Safety, Public Fire and Life Safety Education, and Fire Investigation”
1830 – 2140 *Assignment:* Read Chapter 5 “Scientific Terminology”
- Sept 25th** *Lecture:* Chapter 5 “Scientific Terminology”
1830 – 2140 *Assignment:* Read Chapter 6 “Building Construction”
- Oct 2nd** *Project #1 due & Quiz #2 – Chapter 3, 4 & 5*
1830 – 2140 *Lecture:* Chapter 6 “Building Construction”
Assignment: Select a topic for your written project.
- Oct 9th** *Field Trip:* Library Tour
1830 - 2140 *Project #2 -* Describe, in writing, current activities or changes in operations in fire service agencies from research of trade-technical magazines and analyze their effects on the fire department. **Due June 1st.**
Assignment: Read Chapter 7 “Fire Detection, Alarm, and Suppression Systems”
- Oct 16th** *Lecture:* Chapter 7 “Fire Detection, Alarm, and Suppression Systems”
1830 - 2140 *Assignment:* Read Chapter 8 “Role of Public and Private Support Organizations”
- Oct 23rd** *Lecture:* Chapter 8 “Role of Public and Private Support Organizations”
1830 – 2140 *Assignment:* Read Chapter 9 “Fire and Emergency Services”
- Oct 30th** *Quiz #3 – Chapters 6, 7 & 8*
1830 – 2140 *Lecture:* Chapter 9 “Fire and Emergency Services”
Assignment: Read Chapter 10 “Fire Department Organization and Management”
- Nov 6th** *Lecture:* Chapter 10 “Fire Department Organization and Management”
1830 – 2140 *Assignment:* Complete Project #2 to submit on Dec 1st.
- Nov 10th** *Deadline to drop full-term classes*
- Nov 13th** *Project #2 Due & Quiz #4 – Chapters 9 & 10*
1830 – 2140 *Lecture: Review*
- Nov 20th** **Exercise#1**
- Nov. 27th** **Exercise #2**
- Dec 4th** **Final Exam**

EVALUATION

There will be four (4) quizzes; each worth 100 points

Final Exam; worth 200 Points

There will be two written assignments; each worth 100 points.

There are a total of 800 points available.

PROJECTS

- #1 - Develop a personal career development time line. This assignment will be due on April 6th.
- #2 - Write an essay paper describing, current activities or changes in operations in fire service agencies from research of trade-technical magazines and analyze their effects on the fire service. This paper is due on June 1st. Format will be discussed in class on April 20th.

GRADING SYSTEM

Points = Letter grade

720 - 800 = A - Superior
640 - 719 = B - Better than average
560 - 639 = C - Average
480 - 559 = D - Below average
Below 479 = F - Failing

An overall grade point average of 2.0 (C) or higher must be earned in all work undertaken.

CLASS POLICIES

- ⇒ Extra credit work will not be accepted.
- ⇒ Missed tests may be made up at the convenience of the instructor.
- ⇒ The policy on attendance at IVC is as follows:
Regular attendance in all classes is expected of all students enrolled. Instructors are expected to take a student's attendance record into account in computing grades.

A student may be excluded from further attendance in a class during any semester when absences after the close of late registration have exceeded the number of class hours which the class meets per week. Further, an instructor may drop any student judged to be a disturbing element in the class. However, this course is very intensive, requiring the students' total dedication for successful completion. It will be very difficult to make up missed lessons. Perfect attendance and being at class on time is required for successful completion of the course.

A student who is tardy three times may be considered as having been absent once.

⇒ *No eating, drinking or smoking in classrooms.*

⇒ Standards of conduct:

Students shall assume an obligation to conduct themselves in a manner compatible with the college's function as an educational institution. Students shall observe the rules and regulations of the College. Students shall refrain from conduct which interferes with the College's teaching and administration, or which unreasonably interferes with the rights of others.

All forms of harassment are contrary to basic standards of conduct between individuals and are prohibited by state and federal law and will not be tolerated.

Misconduct for which students are subject to disciplinary action (i.e. Dishonesty, such as cheating) are listed in the College's General Catalog.

⇒ If cheating or plagiarism is discovered, a student may be dropped for the course with a grade of "F".

⇒ Any student needing supportive services because of a disability contact your instructor or the Disabled Student Programs and Services program.

IMPORTANT DATES:

August 20 Classes begin. Beginning on first day each class meets, add authorization code from instructor required to register for that class, filled or open

August 20 – September 1 Late Registration. Beginning on first day each class meets, add authorization code from instructor required to register for that class, filled or open.

*****September 1*** Deadline to register for full-term courses**

Deadline to drop full-term classes without owing fees and/or be eligible for refund.

Deadline to select P/NP grading option for courses with that option (see section on *Change Grading Options*). Does not pertain to Non-credit Program courses.

September 3 Deadline to drop without course appearing on transcript (without receiving W). Note: fees will be charged and no refunds given for courses dropped on September 2 or 3. See Sept. 1.

September 3 Holiday – Labor Day; no classes

September 4 Census

September 4 Ticketing for parking violations in student spaces on main campus begins. Note: tickets are issued for reserved (faculty/staff), disabled, metered, 15-minute, and no-parking spaces year around.

September 28 Deadline to make up incomplete grade (I) granted Spring or Summer 2012

October 24 Financial Aid Return to Title IV drop deadline.

November 1 Deadline to submit *Petition for Graduation* for degree to be awarded Fall 2012.
Completed petition must be received in Admissions & Records Office by this date. Students must meet with a Counselor and have an evaluation completed and petition signed before this date.

November 12 Holiday – In Honor of Veterans’ Day; no classes.

*****November 10*** Deadline to drop full-term classes**

November 22 – 24 Holiday – Thanksgiving – No Classes Thursday, Friday, and Saturday.

December 3-7 Last week of classes including final examinations.