

# **IMPERIAL VALLEY COLLEGE**

**FALL SEMESTER - 2012**

**FIRE INVESTIGATION 1A**

**FIRE TECHNOLOGY (FT-222)**

**CRN 10846**

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

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**Day: Nov 26<sup>th</sup>-30<sup>th</sup> 0800-1640hrs**

**Off Campus**

**Room: Imperial County Fire Department Station 2 in Heber**

## **Text and Supplies:**

The following text and supplies are required for this course:

**IFSTA - Introduction to Fire Origin and Cause (3rd edition)  
Scantrons and #2 pencils**

## **Course Goals**

Fire Investigator 1 presents an introduction to Fire Investigation. Emphasis is placed upon: fire behavior, combustion properties of various materials, sources of ignition, and investigative techniques for – structures, grassland, wildland, automobiles, vehicles, ships and other types of fire investigation, causes of electrical fires, chemical fires, explosive evaluations, laboratory operation, techniques used in fire deaths and injuries, arson as a crime, other techniques, State and Federal laws, and future trends in fire investigative technology.

## **Course Objectives**

Student will demonstrate a working knowledge of:

1. The Elementary Chemistry of Combustion
2. The Nature and Behavior of Fire
3. Combustion Properties of Liquids and Compressed Gases, Combustion Properties of Solid Fuels
4. Sources of Ignition ( Structure Fires, Grass and Wild land Fires Automobiles, Motor Vehicles and Ship Fires, Electrical Causes of Fire, Clothing and Fabric Fires
5. Explosions and Explosive Combustion
6. Chemical Fires and Hazardous Materials

7. Fire Related Deaths and Injuries
8. Arson as a Crime and Other Investigative Topics
9. Federal and State Legislation
10. Future Trends in Fire Investigation

## CLASS SCHEDULE

<u>Date/Time:</u>	<u>Subject/Assignments</u>
Nov 26 <sup>th</sup> 0800-1640	<b>Lecture: Orientation to Fire Investigation Incendiary Project Discussion</b>
Nov 27 <sup>th</sup> 0800-1640	<b>Lecture: Continue</b>
Nov 28 <sup>th</sup> 0800-1640	<b>Field Exercise</b>
Nov 29 <sup>th</sup>	<b>Continue Field Exercise</b>
Nov 30 <sup>th</sup>	<b>Review and State Exam</b>

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## EVALUATION

1. One field Investigation Exercise
2. Incendiary Device Project
3. State Final Exam

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## 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.

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## **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 23 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.