

Basic Course Information

Semester:	Spring 2016	Instructor Name:	Robert Malek
Course Title & #:	Fire Prevention Technology	Email:	Robert.malek@imperial.edu
CRN #:	20887	Webpage (optional):	
Classroom:	3204	Office #:	
Class Dates:	2/16/2016 - 6/10/2016	Office Hours:	Email
Class Days:	M	Office Phone #:	Email
Class Times:	0600-0910	Emergency Contact:	Sara Wheat 760-355-6483
Units:	3		

Course Description

This course is a general introduction to the study of fire science. This course examines the history and growth of the fire service from it's beginning to modern day firefighting. Students will cover the life safety code (NFPA-101), fire protection systems, firefighter safety and survival, along with identifying and analyzing the fire problems we face in the fire service today. This course will also cover what fire is, the chemical hazards of combustion and related by-products of fire. Fire department organization, administration, operations, and basic firefighting strategies and tactics, as well as community fire prevention strategies, will be covered.

Student Learning Outcomes

Sara Upon course completion, the successful student will have acquired new skills, knowledge, and or attitudes as demonstrated by being able to:

- 1. Demonstrate knowledge in the spectrum of fire prevention functions and philosophies and their relationships to fire suppression efforts. (ILO2)*
- 2. Identify the laws, rules, codes, and other regulations relevant to fire prevention and the agencies or authority having jurisdiction. (ILO2)*
- 3. Execute a plan review, apply fire codes and related regulations, and describe the need and process of fire investigation. (ILO3)*

Course Objectives

Student will demonstrate a working knowledge of:

- 1. Discuss the history of fire service.*
- 2. Identify various careers in fire technology.*
- 3. Describe organizational structures of fire protection service.*
- 4. Discuss uses and describe construction of the different types of fire department equipment.*
- 5. Describe practices of municipal fire defense maintenance*
- 6. Describe practices of private fire protection.*
- 7. In a classroom environment, describe fire tactics and strategy.*
- 8. Identify different types of firefighting apparatus.*
- 9. Describe the major differences between volunteer and career fire service.*
- 10. Analyze and discuss the fire tetrahedron and its impact on the life safety code.*
- 11. Describe features and requirements of automatic fire protection systems.*
- 12. Describe features and characteristics of fire protection clothing.*

The objectives in this course align with the Fire and Emergency Services Higher Education (FESHE) Initiatives, as well as FESHE course objectives; What is FESHE? Working with coordinators of two- and four-year academic fire and emergency medical services (EMS) degree programs, the U. S. Fire Administration's National Fire Academy (NFA) has established the FESHE network of emergency services related education and training providers. The FESHE mission is to:

Establish an organization of post-secondary institutions to promote higher education and to enhance the recognition of the fire and emergency services as profession to reduce loss of life and property from fire and other hazards. The initiatives are supported by solutions identified from other industries that could be applied to fire and emergency services.

Textbooks & Other Resources or Links

IFSTA - Fire Inspection and Code Enforcement (8th edition) Published by the International Fire Service Training Association (IFSTA)

ISBN: 978-0-87939-592-6

Course Requirements and Instructional Methods

Students MUST complete the current version of the following courses even if they took an older version.

Assignments

Students will complete the following assignment activities. When completing your written assignments in either Microsoft Word or rich text format (using Times New Roman size 12 font ONLY) – not Word Perfect, use APA CITED textbook concepts to analyze the disaster response issues. If you just complete the assignments in broad terms without applying text concepts using APA

citations, your grade will be significantly lower. While older sources are fine, students must include the required number of citations from the textbook and more current sources.

APA Citations: APA citations are required for assignments. Please ensure you're familiar with the process for correctly citing sources in your course submissions.

I strongly recommend students review a grammar/writing guide prior to submitting assignments. My goal is assignments will be reviewed and grades posted within 24 hours of their submission. Assignments submitted late will have a 10 % penalty assessed for each week late. Cover, reference, appendix, and table pages DO NOT count towards the page length requirements. There is NO extra credit or makeup assignments offered in the course, so every assignment contributes to students' final course grades. Assignments MUST be posted to the BB site and do NOT get course messaged to me. I do not want a "backup" copy sent to me. Use Blackboard only – thanks!

Research Paper: 150 Points

DUE DATE:

Prepare a five-page (double-spaced) describing current activities or changes in operations in fire service agencies from research of trade-technical magazines and analyze their effects on the fire department. This assignment will ensure you become the subject matter expert on this element of the course curriculum.

Mid-term Exam (Chapter 1 - 5): 100 Points

DUE DATE:

Final Research: 150 Points

DUE DATE:

Final Exam (Chapters 1 - 10): 200 Points

4 quizzes 200 Points

Announcement:

In the announcement section you will my "Welcome/Self-Introduction". All upcoming events will be posted on a weekly basis, or as needed. Please be vigilant and monitor this section.

Prerequisite knowledge:

None

Instructors Plan for Classroom response time and feedback on assignments:

Please note that you will receive a response/feedback within 24 hours after having posted your question in the "Ask the Instructor" Discussion Board. For a faster response please email me at Robert.malek@imperial.edu.

Out of Class Assignments: The Department of Education policy states that one (1) credit hour is the amount of student work that reasonably approximates not less than one hour of class time and two (2) hours of out-of-class time per week over the span of a semester. WASC has adopted a similar requirement.

Course Grading Based on Course Objectives

Grading scale: A = 800 to 700 points; B = 699 to 600 points; C = 599 to 500 points; and F = 499 to 0 points.

Attendance

- A student who fails to attend the first meeting of a class or does not complete the first mandatory activity of an online class will be dropped by the instructor as of the first official meeting of that class. Should readmission be desired, the student's status will be the same as that of any other student who desires to add a class. It is the student's responsibility to drop or officially withdraw from the class. See [General Catalog](#) for details.
- Regular attendance in all classes is expected of all students. A student whose continuous, unexcused absences exceed the number of hours the class is scheduled to meet per week may be dropped. For online courses, students who fail to complete required activities for two consecutive weeks may be considered to have excessive absences and may be dropped.
- Absences attributed to the representation of the college at officially approved events (conferences, contests, and field trips) will be counted as 'excused' absences.

Classroom Etiquette

- Electronic Devices: Cell phones and electronic devices must be turned off and put away during class, unless otherwise directed by the instructor.
- Food and Drink are prohibited in all classrooms. Water bottles with lids/caps are the only exception. Additional restrictions will apply in labs. Please comply as directed by the instructor.
- Disruptive Students: Students who disrupt or interfere with a class may be sent out of the room and told to meet with the Campus Disciplinary Officer before returning to continue with coursework. Disciplinary procedures will be followed as outlined in the [General Catalog](#).
- Children in the classroom: Due to college rules and state laws, no one who is not enrolled in the class may attend, including children.

Online Netiquette

- What is netiquette? Netiquette is internet manners, online etiquette, and digital etiquette all rolled into one word. Basically, netiquette is a set of rules for behaving properly online.
- Students are to comply with the following rules of netiquette: (1) identify yourself, (2) include a subject line, (3) avoid sarcasm, (4) respect others' opinions and privacy, (5) acknowledge and return messages promptly, (6) copy with caution, (7) do not spam or junk mail, (8) be concise, (9) use appropriate language, (10) use appropriate emoticons (emotional icons) to help convey meaning, and (11) use appropriate intensifiers to help convey meaning [do not use ALL CAPS or multiple exclamation marks (!!!!)].

Academic Honesty

Academic honesty in the advancement of knowledge requires that all students and instructors respect the integrity of one another's work and recognize the important of acknowledging and safeguarding intellectual property.

There are many different forms of academic dishonesty. The following kinds of honesty violations and their definitions are not meant to be exhaustive. Rather, they are intended to serve as examples of unacceptable academic conduct.

- **Plagiarism** is taking and presenting as one's own the writings or ideas of others, without citing the source. You should understand the concept of plagiarism and keep it in mind when taking exams and preparing written materials. If you do not understand how to "cite a source" correctly, you must ask for help.
- **Cheating** is defined as fraud, deceit, or dishonesty in an academic assignment, or using or attempting to use materials, or assisting others in using materials that are prohibited or inappropriate in the context of the academic assignment in question.

Anyone caught cheating or plagiarizing will receive a zero (0) on the exam or assignment, and the instructor may report the incident to the Campus Disciplinary Officer, who may place related documentation in a file. Repeated acts of cheating may result in an F in the course and/or disciplinary action. Please refer to the [General Catalog](#) for more information on academic dishonesty or other misconduct. Acts of cheating include, but are not limited to, the following: (a) plagiarism; (b) copying or attempting to copy from others during an examination or on an assignment; (c) communicating test information with another person during an examination; (d) allowing others to do an assignment or portion of an assignment; (e) using a commercial term paper service.

Additional Student Services

Imperial Valley College offers various services in support of student success. The following are some of the services available for students. Please speak to your instructor about additional services which may be available.

- **Blackboard Support Site.** The Blackboard Support Site provides a variety of support channels available to students 24 hours per day.
- **Learning Services.** There are several learning labs on campus to assist students through the use of computers and tutors. Please consult your [Campus Map](#) for the [Math Lab](#); [Reading, Writing & Language Labs](#); and the [Study Skills Center](#).
- **Library Services.** There is more to our library than just books. You have access to tutors in the [Study Skills Center](#), study rooms for small groups, and online access to a wealth of resources.

Disabled Student Programs and Services (DSPS)

Any student with a documented disability who may need educational accommodations should notify the instructor or the [Disabled Student Programs and Services](#) (DSP&S) office as soon as possible. The DSP&S office is located in Building 2100, telephone 760-355-6313. Please contact them if you feel you need to be evaluated for educational accommodations.

Student Counseling and Health Services

Students have counseling and health services available, provided by the pre-paid Student Health Fee.

- **Student Health Center.** A Student Health Nurse is available on campus. In addition, Pioneers Memorial Healthcare District provide basic health services for students, such as first aid and care for minor illnesses. Contact the IVC [Student Health Center](#) at 760-355-6128 in Room 1536 for more information.
- **Mental Health Counseling Services.** Short-term individual, couples, family, and group therapy are provided to currently enrolled students. Contact the IVC [Mental Health Counseling Services](#) at 760-355-6196 in Room 2109 for more information.

Student Rights and Responsibilities

Students have the right to experience a positive learning environment and to due process of law. For more information regarding student rights and responsibilities, please refer to the IVC [General Catalog](#).

Information Literacy

Imperial Valley College is dedicated to helping students skillfully discover, evaluate, and use information from all sources. The IVC [Library Department](#) provides numerous [Information Literacy Tutorials](#) to assist students in this endeavor.

Anticipated Class Schedule/Calendar

The instructor will provide a tentative, provisional overview of the readings, assignments, tests, and/or other activities for the duration of the course. A table format may be useful for this purpose.]

Date or Week	Activity, Assignment, and/or Topic	Pages/ Due Dates/Tests
Week 1 February 22	Syllabus & Introduction Chapter 1	
Week 2 February 29	Chapter 2	Review for Quiz
Week 3 March 7	Quiz #1 Project Discussion	Quiz
Week 4 March 14	Chapter 3&4	
Week 5 March 21	Chapter 5	
Week 6 April 4	Project #1 Due Quiz #2 Ch. 3,4, & 5	
Week 7 April 11	Chapter 6,7,& 8	
Week 8 April 18	Field Trip Mid-Term	

Week 9 April 25	Quiz #3 Chapter 6,7,8 Project #2 Pick Topic Chapter 8 & 9	
Week 10 May 2	Chapter 10	
Week 11 May 9	Quiz #4 Chapter 9 & 10 Project #2 Due Chapter 11 & 12	
Week 12 May 16	Exercise #1	
Week 13 May 23	Exercise # 2	
Week 14 June 6	Final Exam	

*****Tentative, subject to change without prior notice*****