

Basic Course Information

Semester	Fall 2014	Instructor Name	Robert Malek
Course Title & #	Fire 101 Fire Prevention Technology	Email	Robert.malek@imperial.edu
CRN #	20396	Webpage (optional)	
Room	810	Office	Room 809
Class Dates	February 17, 2015	Office Hours	n/a for part-time faculty
Class Days	Tuesday	Office Phone #	760 897-9749
Class Times	1730-2030	Office contact if student will be out or emergency	Sara Wheat 760 355-6483 or by emailing me
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

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)
4. Define the national fire problem including causes, damages, and public and firefighter fatalities. (ILO2, ILO3)
5. Identify the responsibilities and functions of the fire prevention bureau in relationship to the fire department organizational structure. (ILO2)
6. Identify the minimum professional qualifications at the state and national level for Fire Inspector, Fire Investigator, and Public Educator. (ILO2)

7. Design a fire prevention media campaign including brochures, advertising, public service announcements and fire prevention collateral materials for adults and children. (ILO2, ILO3, ILO4)

Course Objectives

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

Text: IFSTA; - Fire Inspection and Code Enforcement (7th edition) Published by the International Fire Service Training Association (IFSTA)

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.

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

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.

Classroom Etiquette

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.

Academic Honesty

- 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 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 School 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 Help – Discretionary Section and Language

- Blackboard support center: <http://bbcrm.edusupportcenter.com/ics/support/default.asp?deptID=8543>
- Learning Labs: There are several 'labs' on campus to assist you through the use of computers, tutors, or a combination. Please consult your college map for the Math Lab, Reading & Writing Lab, and Study Skills Center (library). Please speak to the instructor about labs unique to your specific program.
- 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, 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. We now also have a fulltime mental health counselor. For information see <http://www.imperial.edu/students/student-health-center/>. The IVC Student Health Center is located in the Health Science building in Room 2109, telephone 760-355-6310.

Student Rights and Responsibilities

Students have the right to experience a positive learning environment and due process. For further information regarding student rights and responsibilities, please refer to the IVC General Catalog available online at http://www.imperial.edu/index.php?option=com_docman&task=doc_download&gid=4516&Itemid=762

Information Literacy

Imperial Valley College is dedicated to helping students skillfully discover, evaluate, and use information from all sources. Students can access tutorials at <http://www.imperial.edu/courses-and-programs/divisions/arts-and-letters/library-department/info-lit-tutorials/>

Anticipated Class Schedule / Calendar

Date/Time: Subject/Assignments

**February 17th
1730 – 2030** **Lecture: Orientation and Fire Technology Curriculum; Chapter 1
Assignment: Read Chapter 1 and Chapter 2**

**February 24th
1730 – 2030** **Lecture: Chapter 2 / Review for test
Assignment: Read Chapter 3**

**March 3rd
1730 – 2030** **Quiz #1- Chapters 1 & 2
Lecture: Chapter 3
Assignment: Project discussion**

**March 10th
1730 – 2030** **Lecture: Chapter 3
Assignment: Read Chapter 4**

**March 17th
1730 – 2030** **Lecture: Chapter 4
Assignment: Read Chapter 5**

**March 24th
1730 – 2030** **Lecture: Chapter 5 / Review for test
Assignment: Read Chapter 6**

**March 31st
1730 – 2030** **Project #1 due & Quiz #2 – Chapter 3, 4 & 5
Lecture: Chapter 6
Assignment: Bring topics for project in for discussion**

April 7th	Field Trip: Library Tour
1730 – 2030	Mid-Term Exam Chapter 1-5
	Project #2 – Pick topic for Project
	Assignment: Read Chapter 7
April 14th	Lecture: Chapter 7
1730 – 2030	Assignment: Read Chapter 8
April 21st	Lecture: Chapter 8 / Review for test
1730 – 2030	Assignment: Read Chapter 9
April 28th	Quiz #3 – Chapters 6, 7 & 8
1730 – 2030	Lecture: Chapter 9
	Assignment: Read Chapter 10 “Fire Department Organization and Management”
May 5th	Lecture: Chapter 10 “Fire Department Organization and Management”
1730 – 2030	Assignment: Complete Project #2 to submit on Nov 15th.
May 12th	Project #2 Due & Quiz #4 – Chapters 9 & 10
1730 – 2030	Lecture: Review/ Read Ch. 11&12
May 19th	Lecture Ch. 11&12
May 26th	Exercise # 1
June 2nd	Exercise #2
June 9th	Final Exam