



Basic Course Information

Semester:	Spring 2024	Instructor Name:	Robert Malek
Course Title & #:	Fire 101 Fire Prevention Technology	Email:	Robert.malek@imperial.edu
CRN #:	20447	Webpage (optional):	
Classroom:	Online	Office #:	N/A
Class Dates:	2/12/21- 6/8/21	Office Hours:	N/A
Class Days:	Online	Office Phone #:	760-879-9725
Class Times:	Online	Emergency Contact:	Tricia Jones 760-355-6483
Units:	3	Class Format:	Online

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.

Course Prerequisite(s) and/or Corequisite(s)

N/A

Student Learning Outcomes

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. 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

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 Imperial Valley College Course Syllabus – Click here to enter text. 3 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: 140 Points

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 - 8): 160 Points

Final Exam (Chapters 1 - 16): 300 Points

16 quizzes 160 Points

16 Chapter Test 160 Points

16 Discussion Board 160 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 = 1000 to 900 points; B = 899 to 800 points; C = 799 to 700 points; and F = 699 to 0 points.

Course Policies

- 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.
- 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 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.

Other Course Information

[Optionally, include other necessary information.]

IVC Student Resources

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.

- [CANVAS Support Site](#). The Canvas 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.
- 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.

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.
- 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](#).
- 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

[Provide a tentative overview of the readings, assignments, tests, and/or other activities for the duration of the course. A table format as in the example below may be used for this purpose.]

Date or Week	Activity, Assignment, and/or Topic	Pages/ Due Dates/Tests
Week 1	Syllabus & Introduction and Chapter 1 Duties and Authority (Text Reference 13-37) Discussion Board or Assignment #1	Chapter 1 Test & Quiz 02/18/2024
Week 2	Chapter 2 Codes, Standards, and Permits Text Reference 41-68 Discussion Board or Assignment #2	Chapter 2 Test & Quiz Due 2/25/24
Week 3	Chapter 3 Fire Behavior Text Reference 73-111 Discussion Board or Assignment #3	Chapter 3 Test & Quiz Due March 3
Week 4	Chapter 4 Construction Types and Occupancy Classifications (Text Reference 115-148) Discussion Board or Assignment #4	Chapter 4 Test & Quiz Due March 10
Week 5	Chapter 5 Building Construction Text Reference 153-189 Discussion Board or Assignment #5	Chapter 5 Test & Quiz Due March 17
Week 6	Chapter 6 Building Components Text Reference 193-237 Discussion Board or Assignment #6	Chapter 6 Test & Quiz Due March 24
Week 7	Chapter 7 Means of Egress Text Reference 241-280 Discussion Board or Assignment #7	Chapter 7 Test & Quiz Due March 31
Week 8	Spring Break	April 1 st - 7 th
Week 9	Ch. 8 Site Access Text Reference 285-302 Discussion Board or Assignment #8	Chapter 8 Test & Quiz Due April 14th
Week 10	Mid-Term Chapter 9 Fire Hazard Recognition Text Reference 307-375	Ch. 9 Quiz and Mid- Term Due April 21 th
Week 11	Chapter 10 Hazardous Materials Text Reference 379-460 Discussion Board or Assignment #10	Chapter 10 Test & Quiz Due April 28 th
Week 12	Chapter 11 Water Supply Distribution System	Chapter 11 Test & Quiz



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Date or Week	Activity, Assignment, and/or Topic	Pages/ Due Dates/Tests
	Text Reference 465-493 Discussion Board or Assignment #11	Due May 5th
Week 13	Chapter 12 Water-Based Fire Suppression Systems Text Reference 503-558 Discussion Board or Assignment #12	Chapter 12 Test & Quiz Due May 12 th Test & Quiz
Week 14	Chapter 13 Special-Agent Fire Extinguishing Systems and Portable Extinguishers Text Reference 563-603 Discussion Board or Assignment #13	Chapter 13 Test & Quiz Due May 19th
Week 15	Chapter 14 Fire Detection and Alarm Systems Text Reference 607-647 Discussion Board or Assignment #14	Chapter 14 Test & Quiz Quiz Due May 26 th
Week 16	Chapter 15 Plans Review and Field Verifications Text Reference 655-689 Chapter 16 Inspection Procedures Text Reference 689-727	Chapter 15 & 16 Test & Quiz Due June 3 rd
Week 17	Final Exam and Research Paper Due	DUE June 8 th

*****Subject to change without prior notice*****