

Basic Course Information

Semester:	Fall 2016	Instructor Name:	Robert Malek
Course Title & #:	Fire 220	Email:	robertmalek@co.imperial.ca.us
CRN #:	11133	Webpage (optional):	
Classroom:	ICFD Station 2/1078 Dogwood Road, Suite 101	Office #:	TBA
Class Dates:	M, T, W, Thur, Fri.	Office Hours:	n/a for part-time faculty
Class Days:	5 09/19-09/23	Office Phone #:	n/a for part-time faculty
Class Times:	09:00-18:00	Emergency Contact:	Sara Wheat 760 355-6483 Alfredo Estrada 760 222-0177
Units:	3		

Course Description

This course provides the student with information on driver responsibilities, recognized standards, and related laws for fire apparatus. Topics include basic inspections, documentation, maintenance, and troubleshooting fire apparatus, and techniques on driving and positioning fire apparatus. Each student also has the opportunity to increase his or her driving skills during simulated driving conditions. (CSU)

Student Learning Outcomes

1. Select and use appropriate methods and materials to complete laboratory assignments to standards based on building type, location of fire, and other apparatus responding to scene. (ILO2)
2. The student shall demonstrate proficiency in apparatus pre-trips. (ILO2)
3. The student shall demonstrate apparatus manipulation of fire apparatus. (ILO3)

Course Objectives

1. Demonstrate a working knowledge of laws relating to emergency and non-emergency driving, theories and principles of defensive driving, operator's permit and medical evaluation with an overall exam score of 70% or higher.
2. Demonstrate a working knowledge of braking reaction times with an overall exam score of 70% or higher.
3. Demonstrate a working knowledge of driving apparatus to the emergency scene, including emergency response in congested traffic, steering and load control, driving apparatus during adverse weather conditions, steering out of skids, and considerations which determine engine placement with an overall exam score of 70% or higher.
4. Demonstrate knowledge of times, gauges, levels, and systems failure checks with an overall exam score of 70% or higher.
5. Demonstrate knowledge of maintenance requirements and procedures with an overall exam score of 70% or higher.
6. Demonstrate knowledge of various pump tests with an overall exam score of 70% or higher.
7. Demonstrate knowledge of driving, braking, and parking techniques with an overall exam score of 70% or higher.
8. Demonstrate knowledge of the procedure for mobile pump testing with an overall exam score of 70% or higher.
9. Demonstrate knowledge of the manipulative exam requirements with an overall exam score of 70% or higher.

10. Perform analysis and evaluation of classroom instruction, reading materials, and utilize this analysis in classroom discussion, writing assignments, and in performing other activities. Students must select and use appropriate methods and materials needed to complete laboratory assignments to standards. For example, student must be knowledgeable in the placement of apparatus based on building type, location of fire, and other apparatus responding to scene.

Textbooks & Other Resources or Links

Pumping Apparatus Driver/Operator Second Edition IFSTA

ISBN 0-87939-278-9

Course Requirements and Instructional Methods

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!

Course Grading Based on Course Objectives

Day 1 Quiz- 25 points

Day 2 Quiz- 25 points

Day 3 Quiz- 25 points

Day 4 Quiz- 25 points

Presentation – 100 points

Exam- 100 points

Total Points Possible- 300

Attendance

[Required Information: *The below information is the IVC attendance policy. Use this information in addition to any specific attendance policies you have for your course.]*

- 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

[Required Information: Describe your policies regarding classroom conduct. The below is suggested language and may be modified for your course.]

- 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

Not Applicable

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

[Required language.]

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. Students can access tutorials at <http://www.imperial.edu/courses-and-programs/divisions/arts-and-letters/library-department/info-lit-tutorials/>

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Anticipated Class Schedule/Calendar

DAY	TOPIC	TITLE	TIME	ACTIVITY	EVALUATION	
Day 1	1-1	Orientation And Administration	1:00			
	1-2	Fire Apparatus Driver/Operator Responsibilities	0:45			
	1-3	Legal Aspects Of Emergency And Nonemergency Driving	1:00	1-3-1		
	2-1	Introduction To Inspection, Basic Maintenance, And Troubleshooting	0:30			
	2-2	Inspection And Basic Maintenance Of The Driver And Crew Areas, Apparatus Body, And Compartmentation	0:15			
	2-3	Inspection And Basic Maintenance Of The Frame, Axles, Steering And Suspension Systems, Driveline, Wheels, And Tires	0:15			
	2-4	Troubleshooting The Frame, Axles, Steering And Suspension, Driveline, Wheels, And Tires	0:30			
	2-5	Inspection And Basic Maintenance Of Engine Systems	0:45			
	2-6	Troubleshooting Engine Systems	0:30			
	2-7	Inspection And Basic Maintenance Of The Transmission And Clutch	0:15			
	2-8	Troubleshooting The Transmission/Clutch	0:15			
	2-9	Inspection And Basic Maintenance Of The Starting, Charging, And Other Electrical Systems	0:30			
2-10	Troubleshooting The Starting, Charging, And Other Electrical Systems	1:30				
		Day 1 Total	8:00			
Day 2	2-10	Troubleshooting The Starting, Charging, And Other Electrical Systems	0:30			
	2-11	Inspection And Basic Maintenance Of Brake Systems	1:30			
	2-12	Troubleshooting Brake Systems	1:00			
	2-13	Inspection And Basic Maintenance Of Auxiliary And Accessory Equipment	0:15			
						Test #1
	2-14	Inspection Documentation And Reports	0:15			
	2-15	Pretrip Inspection Procedures	2:00	2-15-1		
	3-1	Accident Statistics And Liability	0:30			
3-2	Principles Of Defensive Driving	1:00				
		Day 2 Total	8:00			

DAY	TOPIC	TITLE	TIME	ACTIVITY	EVALUATION	
Day 3	3-2	Principles Of Defensive Driving	1:00	3-2-1		
	3-3	Driving Apparatus To Incidents	1:00			
	3-4	Principles Of Off-Road Driving	1:00			
	3-5	Principles Of Braking And Stopping	0:30			
	3-6	Principles Of Steering And Load Control	1:30			
	3-7	Driving During Adverse Weather Conditions	0:15			
	3-8	Positioning Apparatus	1:00			
			1:00			Test #2
	4-1	Introduction To The Mandatory Driving Exercises	0:30			
	5-1	Introduction To The Optional Driving Exercises	0:15			
	Day 3 Total	8:00				
Day 4		Diminishing Clearance Exercise*	8:00	4-1-1		
		Serpentine Exercise*		4-1-2		
		Three-Point Turnaround Exercise*		4-1-3		
		Station Apparatus Backing Exercise*		4-1-4		
		Alley Dock Exercise*		4-1-5		
		Lane Change Exercise		5-1-1		
		Offset Alley Exercise		5-1-2		
		Dogleg Exercise		5-1-3		
		Parallel Parking Exercise		5-1-4		
		Day 4 Total		8:00		
Day 5		Practice Driving Exercises	7:00			
		Graded Exercises			Performance Exams	
		Certification Exam	1:00		Certification Exam	
		Day 5 Total	8:00			

Tentative, subject to change without prior notice