

### Basic Course Information

Semester:	<b>Spring 2022</b>	Instructor Name:	<b>Alfredo Estrada</b>
Course Title & #:	<b>Fire 142- Firefighter Academy II</b>	Email:	<b>Alfredo.estradajr@imperial.edu</b>
CRN #:	<b>2100</b>	Webpage (optional):	<b>None</b>
Classroom:	<b>3200 &amp; Zoom</b>	Office #:	<b>760 222-0177</b>
Class Dates:	<b>Spring 2022</b>	Office Hours:	<b>None</b>
Class Days:	<b>We, Fri, Sat</b>	Office Phone #:	<b>760 222-0177</b>
Class Times:	Wed 06:00-10:00, Friday 06:00-10:00, Sat 08:00-16:30	Emergency Contact:	<b>Alfredo Estrada</b>
Units:	<b>3</b>	Class Format:	<b>Face-to-Face &amp; Zoom</b>

### Course Description

Basic Fire Academy I and II is designed for the individual who desires a career as a professional fire fighter. This course includes instruction in basic firefighting skills, personnel rules and regulations in professional organizations, equipment operation and maintenance, elementary fire behavior, fire ground safety and operations, self-contained breathing apparatus operation and maintenance, portable fire extinguisher operation and maintenance, firefighting tactics and strategies on the fire ground. This course is intensive, requiring the students' total dedication for successful completion.

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

*None*

### Student Learning Outcomes

1. Define and demonstrate knowledge of fire department organization and culture, and the expectations of entry-level fire department personnel.(ILO1, ILO2)
2. Demonstrate knowledge of fire department equipment through the selection and application of equipment for given firefighting tasks. (ILO1, ILO2)
3. Analyze and assess firefighter hazards inherent to the profession. (ILO1, ILO3)
4. Demonstrate the ability to communicate effectively through multiple methods of communication including: written, electronic, face to face, and radio transmitted messages. (ILO1, ILO2, ILO3, ILO4)
5. Demonstrate their knowledge of strategies, tactics and incident command through the selection and implementation of firefighting methods, and the application of the Incident Command and Emergency Management Systems. (ILO1, ILO2, ILO3, ILO4)
6. Demonstrate safe practices by using minimum standard safety procedures compliant with industry standards. (ILO1, ILO2, ILO3, ILO4)

## Course Objectives

Upon satisfactory completion of the course, students will be able to:

1. Demonstrate knowledge and skills necessary to safely perform tasks required of an entry-level fire fighter, including fire behavior, extinguishment theory, water systems, fire protection systems, fire behavior, investigation and essential fire-ground operation.
2. Demonstrate knowledge and proficiency use, inspect, test and maintain the tools, equipment, and accessories necessary to perform the job of a firefighter, including but not limited to hand, power, and hydraulic tools, chain and circular saws, forcible entry tools, air chisels, lighting equipment, fire service jacks, flares or fuses, thermal imaging devices and navigational tools.
3. Comprehend and analyze characteristics of fire behavior, and evaluate a variety of methods and techniques for containment and extinguishment.
4. Recognize and describe common causes of injury and death associated with firefighting and ways to improve safety.
5. Demonstrate knowledge and skills necessary to safely use, inspect and maintain self-contained breathing apparatus.
6. Demonstrate knowledge and skill to inspect and effectively operate fire extinguishers.
7. Apply information on the different types of fire service ropes, their usage, construction, inspection, proper care, storage and record keeping requirements.
8. Comprehend and demonstrate knowledge on information, methods, and techniques for the use, inspection, care and maintenance of hoses, nozzles and appliances.
9. Demonstrate knowledge of methods and techniques for use, inspection, care and maintenance and testing of ground ladders

## Textbooks & Other Resources or Links

### Fundamentals of Fire Fighter Skills

Publication Date: **2018** | ISBN **1284151425** | ISBN-13: **978-1284151428** | Edition: **4**

## Course Requirements and Instructional Methods

Students must complete:

- Firefighter 1 Capstone Task Book
- Firefighter 1 Skills Testing Summary Sheets
- Assigned weekly quizzes
- Assigned weekly skills
- Presentation- weekly skills
- Weekly manipulative skills



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## Course Grading Based on Course Objectives

- Written/Online tests** will be completed after each section of the course. Multiple-choice, matching, identify, and short-answer written tests are used to evaluate student achievement of the cognitive lesson objectives taught. Each test item has its own criterion standard. To show mastery of each tested objective, you must achieve a required percentage score of 70%.
  
- Skills Sheet** will be completed after each section of the course that requires evaluation of the student's mastery of the lesson's psychomotor objectives. Performance tests address the highest thinking and performance skills that are likely to give the firefighter the most problems on the job. All manipulative skills must be passed with a percentage score of 80%.
  
- Final Evaluation:**
  - A) All written tests must be successfully completed.
  - B) All performance tests must be successfully completed.
  - C) Final exam must be successfully completed with a grade of "C" or above.
  
- All Make up tests** will be given by the Lead Instructor. The highest score that you are able to attain is a 70% regardless of the higher score you achieve.

## Course Policies

*Follow Fire Academy Rules and Regulations Manual: copy provided for each student*

## Other Course Information and IVC Student Resources

### 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.

### 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 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

- **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 and El Centro Regional Center provide basic health services for students, such as first aid and care for minor illnesses. Contact the IVC [Student Health Center](#) at 760-355-6310 in Room 2109 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

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



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**IMPERIAL VALLEY COLLEGE - FIRE 142 (20491)**

*Spring 2022*

DATE	DAY	TIME	#	SUBJECT	INSTRUCTOR 1	INSTRUCTOR 2	INSTRUCTOR 3	OTHER INSTRUCTOR	MANDATED INST	CONTACT HRS	LEC HRS	LAB HRS
02/16/22	Wed	1800-2200	1	Orientation	A. Estrada Jr.				1	4	4	
02/18/22	Fri	1800-2200	2	History of Fire Service /Administration	S. Flores				1	4	4	
02/19/22	Sat	0800-1815	3	PPE Hand Out / Fit Testing	A. Estrada Jr.	R. Malek	S. Flores		3	10.5		10.5
02/23/22	Wed	1800-2200	4	Firefighter Safety / Personal Protective Equipment and SCBA	S. Flores				1	4	4	
02/25/22	Fri	1800-2200	5	Fire Service Communications	S. Flores				1	4	4	
02/26/22	Sat	0800-1815	6	State Required FF1 Psychomotor Skills	A. Estrada Sr.	R. Malek	S. Flores		3	10.5		10.5
03/02/22	Wed	1800-2200	7	Incident Command System in the Fire Service	J. Green				1	4	4	
03/04/22	Friday	1800-2200	8	Fire Behavior	E. Martinez				1	4	4	
03/05/22	Sat	0800-1815	9	State Required FF1 Psychomotor Skills	A. Estrada Jr.	R. Malek	S. Flores		3	10.5		10.5
03/09/22	Wed	1800-2200	10	Building Constructions / Pre Incident Planning	J. Green				1	4	4	
03/11/22	Fri	1800-2200	11	Portable Fire Extinguishers	E. Martinez				1	4	4	
03/12/22	Sat	0800-1815	12	State Required FF1 Psychomotor Skills	A. Estrada Jr.	A. Estrada Sr.	S. Flores		3	10.5		10.5
03/16/22	Wed	1800-2200	13	Firefighter Tools and Equipment	J. Green				1	4	4	
03/18/22	Fri	1800-2200	14	Ropes and Knots	A. Estrada Jr.				1	4	4	
03/19/22	Sat	0800-1815	15	State Required FF1 Psychomotor Skills	A. Estrada Sr.	R. Malek	S. Flores		3	10.5		10.5
03/23/22	Wed	1800-2200	16	Response and Size Up	J. Green				1	4	4	
03/25/22	Friday	1800-2200	17	Forcible Entry	A. Estrada Jr.				1	4	4	
03/26/22	Sat	0800-1815	18	State Required FF1 Psychomotor Skills	A. Estrada Jr.	R. Malek	S. Flores		3	10.5		10.5
03/30/22	Wed	1800-2200	19	Ladders	E. Martinez				1	4	4	
04/01/22	Fri	1800-2200	20	State Required FF1 Psychomotor Skills	E. Martinez				1	4	4	
04/02/22	Sat	0800-1815	21	State Required FF1 Psychomotor Skills	A. Estrada Jr.	A. Estrada Sr.	R. Malek		3	10.5		10.5
04/06/22	Wed	1800-2200	22	Search and Recues	A. Castro				1	4	4	
04/08/22	Fri	1800-2200	23	State Required FF1 Psychomotor Skills	E. Martinez				1	4	4	
04/09/22	Sat	0800-1815	24	State Required FF1 Psychomotor Skills	S. Flores	J. Green	E. Martinez		3	10.5		10.5
04/13/22	Wed	1800-2200	25	Ventilation	M. Marquez				1	4	4	
04/15/22	Fri	1800-2200	26	State Required FF1 Psychomotor Skills	S. Flores				1	4	4	
04/16/22	Sat	0800-1815	27	State Required FF1 Psychomotor Skills	A. Estrada Jr.	R. Malek	S. Flores		3	10.5		10.5
04/27/22	Wed	1800-2200	28	Water Supply	A. Estrada Sr.				1	4	4	
04/29/22	Fri	1800-2200	29	State Required FF1 Psychomotor Skills	E. Martinez				1	4	4	
04/30/22	Sat	0800-1815	30	State Required FF1 Psychomotor Skills	A. Estrada Jr.	R. Malek	S. Flores		3	10.5		10.5
05/04/22	Wed	1800-2200	31	Fire Attack and Foam / Firefighter Survival	S. Flores				1	4	4	
05/06/22	Fri	1800-2200	32	State Required FF1 Psychomotor Skills	J. Green				1	4	4	
05/07/22	Sat	0800-1815	33	State Required FF1 Psychomotor Skills	A. Estrada Jr.	A. Estrada Sr.	R. Malek		3	10.5		10.5
05/11/22	Wed	1800-2200	34	Salvage and Overhaul	A. Estrada Jr.				1	4	4	
05/13/22	Fri	1800-2200	35	Firefighter Rehabilitation	J. Green				1	4	4	
05/14/22	Sat	0800-1815	36	State Required FF1 Psychomotor Skills	A. Estrada Sr.	R. Malek	S. Flores		3	10.5		10.5
05/18/22	Wed	1800-2200	37	Fire Suppression	S. Flores				1	4	4	
05/20/22	Fri	1800-2200	38	State Required FF1 Psychomotor Skills	A. Estrada Jr.				1	4	4	
05/21/22	Sat	0800-1815	39	Live Burn	A. Estrada Jr.	A. Estrada Sr.	R. Malek	A. Castro M. Marcus E. Martinez S. Flores	7	10.5		10.5
05/25/22	Wed	1800-2200	40	Wildland and Ground Fires	J. Green				1	4	4	
05/27/22	Fri	1800-2200	41	Wildland and Ground Fires	J. Green				1	4	4	