

**Basic Course Information**

Semester:	<b>Spring 2019</b>	Instructor Name:	<b>Alfredo Estrada</b>
Course Title & #:	<b>Fire 142 Basic Fire Academy</b>	Email:	<b>Alfredo.estradajr@imperial.edu</b>
CRN #:	<b>2100</b>	Webpage (optional):	
Classroom:	<b>3200</b>	Office #:	760-355-6483
Class Dates:	<b>02/11/19-06/07/2019</b>	Office Hours:	n/a for part-time faculty
Class Days:	<b>Wednesday, Friday, &amp; Saturday</b>	Office Phone #:	760-355-6483
Class Times:	Wed 06:00-10:00, Friday 06:00-10:00, Sat 08:00-16:30	Emergency Contact:	Department Secretary/Tricia Jones 760-355-6483
Units:	6		

**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.

**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: **July 9, 2013** | ISBN-10: **1284059650** | ISBN-13: **978-1284059656** | Edition: **3**

## 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

## Course Grading Based on Course Objectives

**Written/Online tests** will be completed after each section of the course. Multiple-choice, matching, indentify, 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.

## 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

- 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**

# Imperial Valley College Course Syllabus – Spring 2019

**IMPERIAL VALLEY COLLEGE  
FIRE SCIENCE ACADEMY  
FIRE 142  
Hourly Distribution  
IVC Code CRN: 21000 - Spring 2019**

**HOURLY DISTRIBUTION**

DATE	DAY	TIME	No	TOPIC	INSTRUCTOR(S)
13-Feb	Wednesday	1800-2200		Orientation and History of Fire Service /Administration	A. Estrada Jr.
15-Feb	Friday	CLOSED			
16-Feb	Saturday	CLOSED			
20-Feb	Wednesday	1800-2200		Firefighter Safety / Personal Protective Equipment and SCBA	S. Flores
22-Feb	Friday	1800-2200		Fire Service Communications	S. Flores
23-Feb	Saturday	0800-1815		State Required FF1 Psychomotor Skills	A. Estrada Jr./R. Malek/S. Flores
27-Feb	Wednesday	1800-2200		Incident Command System in the Fire Service	J. Green
1-Mar	Friday	1800-2200		Fire Behavior	E. Martinez
2-Mar	Saturday	0800-1815		State Required FF1 Psychomotor Skills	A. Estrada Sr./R. Malek/S. Flores
6-Mar	Wednesday	1800-2200		Building Constructions / Pre Incident Planning	J. Green
8-Mar	Friday	1800-2200		Portable Fire Extinguishers	E. Martinez
9-Mar	Saturday	0800-1815		State Required FF1 Psychomotor Skills	A. Estrada Sr./A. Estrada Jr./S. Flores
13-Mar	Wednesday	1800-2200		Firefighter Tools and Equipment	J. Green
				Ropes and Knots	A. Estrada Jr.
15-Mar	Friday	1800-2200			
16-Mar	Saturday	0800-1815		State Required FF1 Psychomotor Skills	S. Flores / A. Estrada Jr. R. Malek
20-Mar	Wednesday	1800-2200		Response and Size Up	J. Green
22-Mar	Friday	1800-2200		Forcible Entry	A. Estrada Jr.
23-Mar	Saturday	0800-1815		State Required FF1 Psychomotor Skills	S. Flores/A. Estrada Jr. R. Malek
27-Mar	Wednesday	1800-2200		Ladders	E. Martinez
29-Mar	Friday	1800-2200		State Required FF1 Psychomotor Skills	E. Martinez
30-Mar	Saturday	0800-1815		State Required FF1 Psychomotor Skills	A. Estrada Jr. / A Estrada Sr./R. Malek
3-Apr	Wednesday	1800-2200		Search and Recues	A. Castro
5-Apr	Friday	1800-2200		State Required FF1 Psychomotor Skills	E. Martinez
6-Apr	Saturday	0800-1815		State Required FF1 Psychomotor Skills	S. Flores/J. Green/E. Martinez
10-Apr	Wednesday	1800-2200		Ventilation	M. Marquez
12-Apr	Friday	1800-2200		State Required FF1 Psychomotor Skills	S. Flores
13-Apr	Saturday	0800-1815		State Required FF1 Psychomotor Skills	R. Malek / A. Estrada Jr. / S. Flores
17-Apr	Wednesday	1800-2200		Water Supply	A. Estrada Sr.
19-Apr	Friday	1800-2200		State Required FF1 Psychomotor Skills	E. Martinez
20-Apr	Saturday	0800-1815		State Required FF1 Psychomotor Skills	S. Flores/A.Estrada Jr/ R. Malek
1-May	Wednesday	1800-2200		Fire Attack and Foam / Firefighter Survival	S. Flores
3-May	Friday	1800-2200		State Required FF1 Psychomotor Skills	J. Green
4-May	Saturday	0800-1815		State Required FF1 Psychomotor Skills	A. Estrada Jr./A. Estrada Sr./R. Malek
8-May	Wednesday	1800-2200		Salvage and Overhaul	A. Estrada Jr.
10-May	Friday	1800-2200		Firefighter Rehabilitation	J. Green
11-May	Saturday	0800-1815		State Required FF1 Psychomotor Skills	R. Malek/A.Estrada Jr/S. Flores
15-May	Wednesday	1800-2200		Fire Suppression	S. Flores
17-May	Friday	1800-2200		State Required FF1 Psychomotor Skills	A. Estrada Jr.
18-May	Saturday	0800-1815		Live Burn	A. EstradaSr./A. Estrada/Jr. R. Malek/A. Castro/M. Marcus/E. Martinez/S. Flores
22-May	Wednesday	1800-2200		Wildland and Ground Fires	J. Green
24-May	Friday	1800-2200		Wildland and Ground Fires	J. Green
25-May	Saturday	0800-1815		Wildland and Ground Fires	J. Green / A. Estrada Jr./R. Malek
29-May	Wednesday	1800-2200		HazMat FRA	S. Wilson
31-May	Friday	1800-2200		HazMat FRO	S. Wilson
1-Jun	Saturday	0800-1815		HazMat FRO	S. Wilson/A. Yerena
5-Jun	Wednesday	1800-2200		HazMat FRO Testing	S. Wilson
7-Jun	Friday	1800-2200		Final Written Exam	S. Flores
8-Jun	Saturday	1800-2200		Final Skills Exam Burn Day	A. EstradaSr./A. Estrada/Jr. R. Malek/A. Yerena/J. Green/E. Martinez/S. Flores