

Basic Course Information

Semester:	Spring 2018	Instructor Name:	Alfredo Estrada
Course Title & #:	Fire 142 Basic Fire Academy	Email:	Alfredo.estradajr@imperial.edu
CRN #:	21000	Webpage (optional):	
Classroom:	3200	Office #:	760-355-6483
Class Dates:	02/15/17-06/09/2018	Office Hours:	
Class Days:	Wednesday, Friday & Saturday	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/Sara Wheat 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.

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

Fire 140

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:

1. Firefighter 1 Capstone Testing
2. Firefighter 1 Skills Testing Summary Sheets
3. Assigned weekly quizzes
4. Assigned weekly skills
5. Presentation- weekly skills

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.

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, only students enrolled in the class may attend; children are not allowed.

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

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.

- **CANVAS LMS.** Canvas is Imperial Valley College's main Learning Management System. To log onto Canvas, use this link: [Canvas Student Login](#). The [Canvas Student Guides Site](#) provides a variety of support available to students 24 hours per day. Additionally, a 24/7 Canvas Support Hotline is available for students to use: 877-893-9853.
- **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 counseling services are available for currently enrolled students. Services are provided in a confidential, supportive, and culturally sensitive environment. Please contact the IVC Mental Health Counseling Services at 760-355-6310 or in the building 1536 for appointments or more information..

Veteran's Center

The mission of the [IVC Military and Veteran Success Center](#) is to provide a holistic approach to serving military/veteran students on three key areas: 1) Academics, 2) Health and Wellness, and 3) Camaraderie; to serve as a central hub that connects military/veteran students, as well as their families, to campus and community resources. Their goal is to ensure a seamless transition from military to civilian life. The Center is located in Building 600 (Office 624), telephone 760-355-6141.

Extended Opportunity Program and Services (EOPS)

The Extended Opportunity Program and Services (EOPS) offers services such as priority registration, personal/academic counseling, tutoring, book vouchers, and community referrals to qualifying low-income students. EOPS is composed of a group of professionals ready to assist you with the resolution of both academic and personal issues. Our staff is set up to understand the problems of our culturally diverse population and strives to meet student needs that are as diverse as our student population.

Also under the umbrella of EOPS our CARE (Cooperative Agency Resources for Education) Program for single parents is specifically designed to provide support services and assist with the resolution of issues that are particular to this population. Students that are single parents receiving TANF/Cash Aid assistance may qualify for our CARE program, for additional information on CARE please contact Lourdes Mercado, 760-355- 6448, lourdes.mercado@imperial.edu.

EOPS provides additional support and services that may identify with one of the following experiences:

- Current and former foster youth students that were in the foster care system at any point in their lives
- Students experiencing homelessness
- Formerly incarcerated students

To apply for EOPS and for additional information on EOPS services, please contact Alexis Ayala, 760-355-5713, alexis.ayala@imperial.edu.

Student Equity Program

- The Student Equity Program strives to improve Imperial Valley College’s success outcomes, particularly for students who have been historically underrepresented and underserved. The college identifies strategies to monitor and address equity issues, making efforts to mitigate any disproportionate impact on student success and achievement. Our institutional data provides insight surrounding student populations who historically, are not fully represented. Student Equity addresses disparities and/or disproportionate impact in student success across disaggregated student equity groups including gender, ethnicity, disability status, financial need, Veterans, foster youth, homelessness, and formerly incarcerated students. The Student Equity Program provides direct supportive services to empower students experiencing insecurities related to food, housing, transportation, textbooks, and shower access. We recognize that students who struggle meeting their basic needs are also at an academic and economic disadvantage, creating barriers to academic success and wellness. We strive to remove barriers that affect IVC students’ access to education, degree and certificate completion, successful completion of developmental math and English courses, and the ability to transfer to a university. Contact: 760.355.5736 or 760.355.5733 Building 100.
- The Student Equity Program also houses IVC’s Homeless Liaison, who provides direct services, campus, and community referrals to students experiencing homelessness as defined by the McKinney-Vento Act. Contact: 760.355.5736 Building 100.

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

Date & Instructor	Day	Time	LECTURE Content	LEC Hrs	Date & Instructor	Day	Time	SKILLS, Testing or Hands On	LAB Hrs
	Chapt. 1		Introduction and Administration	4					0
2/14/18 A. Estrada JR	Wed 4.5	5:30-10p	1. Orientation and Administration 2. Fire Fighter 1 Certification Process 3. General Knowledge Requirement	4					
			Fire Fighter Safety /Chapter 2	11.25				Fire Fighter Safety/SCBA Chapter 3	10
2/16/18 S. Flores	Fri. 4.5	5:30-10p	1. Health and Safety 2. Structural PPE 3. S-C Breathing Apparatus 4. Responding on an Apparatus 5. Ops at an Emergency Scene		2/17/18 A. Estrada JR. R. Malek S. Flores	Sat 9 9	8-6:30p	1 hr FF Fitness each Saturday 1. Structural PPE 2. S-C Breathing Apparatus 3. Responding on Apparatus 4. Ops at an Emergency Scene	
2/21/18 E. Martinez	Wed 4.5	5:30-10p		11.25					10
	Chapt. 9 & 10		Fire Tools and Equipment	7				Fire Tools and Equipment	10
2/23/18 J. Green	Fri. 4.5	5:30-10p	1. Ropes and Knots 2. Hand and Power Tools 3. Portable Elec & Light Equip 4. Maintenance	7	2/24/18 A. Estrada Sr. S. Flores	Sat 9 9	8-6:30p	1 hr FF Fitness each Saturday 1. Ropes and Knots 2. Hand and Power Tools 3. Portable Elec & Light Equip 4. Maintenance	
2/28/18 J. Green	Wed. 4.5	5:30-10p		7					10
	Chapt 4		Communications	2				NFPA	Ladders
3/2/18 E. Martinez	Fri. 4.5	5:30-10p	1. Non-emerg. Phone/radio 2. Initiate Emergency Response 3. Operate Fire Dept Radios	2	3/3/18 S. Flores R. Malek A. Estrada Sr.	Sat 9 9	8-6:30p	1. Non-emerg. phone/radio 2. Initiate Emergency Response 3. Operate Fire Dept Radios	36
			Structural Fire Suppression	42				Chapt. 7,22,8	Structural Fire Suppression
3/7/18 J. Green	Wed 4.5	5:30-10p	Chapter 22		3/10/18 A. Estrada Sr. A. Estrada JR. S. Flores	Sat 10 9 9	8-6:30p	1 hr FF Fitness each Saturday 1. Bldg Construction & Hazards 2. Fire Behavior 3. Fire Extinguishers 4. Water Supply Systems 5. Fire Hose 6. Utility Cntrl at Emergency 7. Ground Ladder Operations 8. Forcible Entry 9. Structure Search & Rescue 10. Structural Fire Fighting Ops	70
3/9/18 E. Martinez	Fri. 4.5	5:30-10p	Chapter 5, 6		3/17/16 S. Flores A. Estrada JR. R. Malek	Sat 10 9 9	8-6:30p		
3/14/18 J. Green	Wed. 4.5	5:30-10p	Chapt 23 & 24		3/24/18 A. Estrada JR.	Sat 10	8-6:30p		
Chapt 16 & 17			1. Bldg Construction & Hazards 2. Fire Behavior 3. Fire Extinguishers 4. Water Supply Systems						
3/16/18 Alfredo Jr.	Fri. 4.5	5:30-10p							
Chapter 13									

