

Basic Course Information

Semester:	Spring 2017	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:	02/15/17-06/09/2017	Office Hours:	n/a for part-time faculty
Class Days:	Wednesday & 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.

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

- [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

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

Date & Instructor	Day	Time	Student LEC Hrs	Student Skills Hrs	Total Skills Hrs	LECTURE Content	Catalog LEC Hrs	Catalog SKILL Hrs
			4	0	0	Introduction and Administration	4	0
2/15/17	Wed	6:00-10p	4			Chapter 1		
A. Estrada Jr.						1. Orientation and Administration		
						2. Fire Fighter 1 Certification Process		
						3. General Knowledge Requirement		
			8	10	28	Fire Fighter Safety / SCBA	11.25	10

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2/17/17	Fri.						HOLIDAY - Lincoln's Birthday		
2/18/17	SAT	8-18:15p					Chapter 3		
A. Estrada JR.					10		One (1) hr FF Fitness		
R. Malek					9		1. Structural PPE		
S. Flores					9		2. S-C Breathing Apparatus		
							3. Responding on Apparatus		
2/22/17	Wed	6:00-10p					Chapter 2		
R. Malek				4			1. Health and Safety		
							2. Structural PPE		
							3. S-C Breathing Apparatus		
							4. Responding on an Apparatus		
							5. Ops at an Emergency Scene		
2/24/17	Fri	6:00-10p					Chapter 2 - cont.		
J. Green				4					
					8	10			
						28	Fire Tools and Equipment	7	10
2/25/17	SAT	8-18:15					Chapter 9 & 10		
S. Flores		8-18:15				10	One (1) hr FF Fitness		
R. Malek		9-18:15				9	1. Ropes and Knots		

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A. Estrada Sr.		9-18:15			9	2. Hand and Power Tools		
						3. Portable Elec &Light Equip		
						4. Maintenance		
3/1/17	Wed	6:00-10p				Chapter 9 & 10 continued		
E. Martinez			4					
3/3/17	Fri.	6:00-10p				Chapter 9 & 10 continued		
A. Castro			4					
			2	2	2	Communications	2	2
3/9/17	Wed	6:00-10p				Chapter 4		
J. Green			2		2	1. Non-emerg. Phone/radio		
						2. Initiate Emergency Response		
						3. Operate Fire Dept Radios		
			44	70	186	Structural Fire Suppression	42	70
3/4/17	SAT	8-18:15				Chapter 5, 6		
R. Malek					10	One (1) hr FF Fitness		

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S. Flores			9	1. Bldg Construction & Hazards
E. Martinez			9	2. Fire Behavior
				3. Fire Extinguishers
3/10/17	Fri	6:00-10p		Chapter 22
M. Marquez			4	
3/11/17	SAT	8-18:15		Chapter ____
A. Estrada Jr.			10	One (1) hr FF Fitness
S. Flores			9	
A. Estrada Sr.			9	
3/15/16	Wed	6:00-10		Chapter 7, 8, & 22
S. Flores			4	1. Bldg Construction & Hazards
				2. Fire Behavior
				3. Fire Extinguishers
3/17/17	Fri.	6:00-10p		Chapter 23 & 24
A. Castro			4	
3/18/17	SAT.	8-18:15		Chapter 16 & 17
S. Flores			10	One (1) hr FF Fitness
Alfredo Sr.			9	1. Bldg Construction & Hazards
R. Malek			9	2. Fire Behavior

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				3. Fire Extinguishers
3/22/17	Wed	6:00-10p		Chapter 12,16
E. Martinez			4	4. Water Supply Systems
				5. Fire Hose
				6. Utility Cntrl at Emergency
				7. Ground Ladder Operations
				8. Forcible Entry
3/24/17	Fri	6:00-10p		Chapter 14, 15
M. Marquez			4	9. Structure Search & Rescue
				10. Structural Fire Fighting Ops
				11. Horizontal Ventilation Ops
				12. Verticle Ventilation Ops
				13. Property Conservation
3/25/17	SAT.	8-18:15		Chap. 12,14
A. Estrada Jr				10 One (1) hr FF Fitness
R. Malek				9 7. Ground Ladder Operations
A. Estrada Sr.				9 8. Forcible Entry
				9. Structure Search & Rescue
3/29/17	Wed	6:00-10p		Chapter 13

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J. Green			4	4. Water Supply Systems
				5. Fire Hose
				6. Utility Cntrl at Emergency
3/31/17	Fri	6:00-10p		Chapter 19
J. Green			4	13. Property Conservation
				14. Overhaul
4/1/17	SAT	8-18:15		Chapter ____
S. Flores				10
				One (1) hr FF Fitness
E. Martinez				9
				14. Water Supply
J. Green				9
4/5/17	Wed			Chapter 15
S. Flores	4	6:00-10p		10. Structural Fire Fighting Ops
				11. Horizontal Ventilation Ops
				12. Verticle Ventilation Ops
4/7/17	Fri	6:00-10p		Chapter 19
S. Flores	4			13. Property Conservation
				14. Overhaul
4/8/17	SAT	8-18:15		Chapter ____ & Live Burn Training
A. Estrada Sr.				10
				One (1) hr FF Fitness

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A. Estrada JR.			9	<u>Mandatory Instructors for Safety</u>
R. Malek			9	"
S. Flores			9	"
4/12/2017	Wed	6:00-10p		Chapter ____
Malek			4	14. Water Supply
4/14/17	Fri	6:00-10p		Chapter 13
Alfredo Sr.			4	
4/15/17	SAT	8-18:15		Chapter ____ & Live Burn Training
E. Martinez			10	One (1) hr FF Fitness
R. Malek			9	<u>Mandatory Instructors for Safety</u>
A Estrada Jr.			9	"
J. Green			9	"

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4/17 to 4/23

SPRING BREAK

4/26/17 Wed 6:00-10p
E. Martinez 4

Chapter 20

4/28/17 Fri 6:00-10p
M. Marquez 4

Chapter 27

4 10 28 Structural Fire Fighter Survival 4 10

4/29/17 SAT 8-18:15
S. Flores

Chapter ____
Structural FF Survival

10 One (1) hr FF Fitness

A. Estrada Sr.

9

J. Green

9

5/3/17 Wed 6:00-10
E. Martinez 4

Chapter ____
Structural FF Survival

12 10 28 Suppres. Outside of Structure & Confined Space Awareness 12.25 10

5/5/17 Fri. 6:00-10p
E. Martinez 4

Chapter ____

1. Exterior Fires

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				2. Passengers Vehicle Fires
5/6/17	SAT	8-18:15		Chapter ____
A. Estrada Sr.			10	One (1) hr FF Fitness
A. Estrada JR.			9	1. Exterior Fires
R. Malek			9	2. Passengers Vehicle Fires
				3. Confined Space Awareness
				4. CAL-OSHA, Confined Space...
				5. Atmospheric, Physical, Engulment Hazards & Air Monitors
				6. Vent, Resp, Comm, Equip/Tech, Retrieval & Procedures
				7. Ops Positions & Responsibility
5/10/2017	Wed	6:00-10p		Chapter ____ (above continued)
J. Green			4	3. Confined Space Awareness
				4. CAL-OSHA, Confined Space...
				5. Atmospheric, Physical, Engulment Hazards & Air Monitors
5/12/17	Fri.	6:00-10p		Chapter ____ (above continued)
M. Marquez			4	6. Vent, Resp, Comm, Equip/Tech, Retrieval & Procedures
				7. Ops Positions & Responsibility

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			20	30	84	Wildland Fire Suppression	31.5	20
5/13/17	SAT	8-18:15				Chapter 21 / L-180		
R. Malek					10	One (1) hr FF Fitness		
J. Green					9	1. Wildland Response		
A. Estrada Sr.					9	2. Wildland PPE		
5/17/17	Wed	6:00-10p				Chapter 21 / L-180		
M. Marquez			4			1. Wildland Response		
						2. Wildland PPE		
5/19/17	Fri.	6:00-10p				Chapter 21 / L-180		
S. Flores			4			3. Wildland Tools and Equipment		
						4. Wildland Fire Behavior		
						5. Wildland Fire Safety		
						6. Human Factors on the Fireline		
5/20/17	SAT	8-18:15				Chapter 21 / L-180		
R. Malek					10	One (1) hr FF Fitness		
A. Estrada Sr.					9	3. Wildland Tools and Equipment		
A. Estrada Jr.					9	4. Wildland Fire Safety		
						5. Wildland Fire Safety		
						6. Human Factors on the Fireline		

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									7. Wildland Urban Interface
									8. Mop-up Operations
5/24/18	Wed	6:00-10p							Chapter ____
J.Green			4						7. Wildland Suppression
									8. Reinforcing a Fireline
									9. Wildland Urban Interface
5/26/17	Fri.	6:00-10p							Chapter ____
S. Flores			4						10. Mop-up Operations
									11. Conducting Patrols
5/27/17	SAT	8-18:15							Chapter ____
S. Flores					10				One (1) hr FF Fitness
R. Malek					9				
A. Estrada Sr.					9				
5/31/17	Wed	6:00-10p							Chapter 36, 37, 38
E. Martinez			4						
			14	10	19				Hazardous Material & WMD
									12
									10
6/2/17	Fri	6:00-10p							Chapter ____ & HazMat & WMD
S. Wilson			4						
6/3/17	SAT.								Chapter ____ & HazMat & WMD

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S.Wilson		8-18:15	10	0	One (1) hr FF Fitness	
					1. Recog. Haz Mat & WMD	
					2. Id, analyze Haz Mat & WMD	
6/4/17	SUN	8-18:15			Chapter ____ & HazMat & WMD	
					TEST	
S. Wilson				10	1. Recog Haz Mat & WMD	
A. Yerena				9	2. Id, analyze Haz Mat & WMD	
					3. Emerg Decontamination	
					4. Mitigate Haz Mat & WMD	
					HazMat/WMD & Wildland overflow if nec	
			0	30	FireFighter Testing	20
6/7/17	Wed	8-6:30p			Fire Fighter 1 TESTING	
R. Malek				10	<u>Mandatory Instructors for Safety</u>	
A. Estrada Sr.				9		
A. Estrada Jr.				9		
6/8/17	Thur	8-6:30p			Fire Fighter 1 TESTING	

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R. Malek	10	<u>Mandatory Instructors for Safety</u>
A. Estrada Sr.	9	
S. Flores	9	

6/9/17 **Fri** 8-6:30p

Wildland FF 1
TESTING

J. Green	10	<u>Mandatory Instructors for Safety</u>
A. Castro	9	
E. Martinez	9	

116

182

487

**Total Student
LEC & Student
Skills should =**

126

162