

Basic Course Information

Semester	Fall 2016	Instructor's Name	Steven Holt and Alfredo Estrada
Course Title & #	Fire 140/ FIRE First Responder	Instructor's Email	steve.holt@imperial.edu alfredo.estradajr@students.imperial.edu
CRN #	10872	Webpage (optional)	
Room	3204	Office (PT Faculty:809)	3207
Class Dates	8/18/16 – 12/10/16	Faculty Office Hours (n/a for PT Faculty)	Tues 1400-1630 Wed 1355-1500 Thur 1500-1630 Fri 1400-1430
Class Days	Tuesday (EMT), Wed. (IS100-IS700, and Thursday (EMT)	Office Phone # (PT may use dept. number)	760 355 6183
Class Times	Lec 4:30 PM-5:55 PM Lab 6:05 PM-9:30 PM	Who students should contact if emergency or other absence:	Sara Wheat 760 355 6183 sara.wheat@imperial.edu
Units	9.5 units AND IS 100 & IS 700 content: Wed: 6:30 pm- 08:35 pm		

Course Description

FIRE 140 - Fire First Responder

I. COURSE/CATALOG DESCRIPTION:

FIRE - FIRST RESPONDERS encompasses the disciplines of EMT, IS100, & IS700. This course is designed for individuals who will come in contact with victims of illness or injury primarily in an emergency, pre-hospital environment. This course is of value to all emergency service personnel, including ambulance personnel, law enforcement personnel, fire services personnel, hospital emergency department personnel, and other rescue personnel. Topics include roles and responsibilities of first responders, as well as evaluation and treatment of illness and injury. Procedures for dealing with life threatening emergencies are presented. The student will be able to gain a functional understanding of assessment-based approaches to patient care as well as the interventions added to the EMT I scope of practice. Hazardous Material training and semi-automatic defibrillation training will be included.

IS 100 - Introduction to the Incident Command System introduces the Incident Command System (ICS) and provides the foundation for higher level ICS training. This course describes the history, features and principles, and organizational structure of the Incident Command System. It also explains the relationship between ICS and the National Incident Management System (NIMS). IS 700 - This course introduces and overviews the National Incident Management System (NIMS). NIMS provides a consistent nationwide template to enable all government, private-sector, and nongovernmental organizations to work together during domestic incidents. (Nontransferable, AA/AS Degree only)

Student Learning Outcomes

Upon course completion, the successful student will have acquired new skills, knowledge, and or attitudes as demonstrated by being able to:

- 1 Demonstrate the application of a traction splint in proper sequence and using standard precautions. (ILO 2, ILO 3)
- 2 Demonstrate the ability to use critical thinking skills to assess and treat patients in emergency settings. (ILO1, ILO2, ILO5)
- 3 Demonstrate the use of federal and state laws in relation to on scene emergencies. (ILO1)
- 4 Demonstrate the ability to describe the history, features and principles, and organizational structure of the Incident Command System. (ILO2)
- 5 Demonstrate the ability to describe the purpose of the NIMS Components including: Preparedness, Communications and Information Management, Resource Management, and Command and Management (ILO2)

Course Objectives

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

- 1 Demonstrate knowledge of EMS system design, roles and responsibilities, critical incidence stress management, death and dying, communications, customer service, medical legal issues, lifting and moving patients, equipment maintenance, ambulance driving, and how to respond to a call.
- 2 Demonstrate knowledge of medical terminology, human anatomy, and pharmacology, as it pertains to EMS.
- 3 Demonstrate knowledge of CPR, foreign body airway management, airway management, oxygen administration, and KING airway management.
- 4 Demonstrate knowledge of the role of the ALS provider, the local ALS unit and equipment, assisting the ALS provider, ALS communications equipment and how to communicate effectively with ALS providers.
- 5 Demonstrate knowledge of scene assessment, patient history, primary and secondary survey, neurological exam and accurate measurement of vital signs.
- 6 Demonstrate knowledge of body substance isolation, methods of disease transmission, immune system responses, and the chain of transmission.
- 7 Demonstrate knowledge of mechanism of injury, bleeding and shock, soft tissue injuries, burns, musculoskeletal trauma, head and spine injuries, chest and abdominal injuries, and agricultural or industrial emergencies.
- 8 Demonstrate knowledge of cardiovascular, respiratory, non-traumatic abdominal, neurological, and diabetic emergencies.
- 9 Demonstrate knowledge of physiological changes during pregnancy, complications of pregnancy, stages of labor and delivery, normal childbirth, and resuscitation of the newborn.
- 10 Demonstrate knowledge of assessment of special populations such as infant, pediatric, and geriatric patients and their common illness, potential for abuse, and syndromes specific to each; e.g. sudden infant death.
- 11 Demonstrate knowledge of electrical emergencies, heat and cold emergencies, poisonings, water-related emergencies, bites, stings, envenomation, altitude sickness, allergic reactions/anaphylactic shock.
- 12 Demonstrate knowledge of patient's response to illness and injury, legal aspects of behavioral emergencies, alcohol and substance abuse, attempted suicide, rape and sexual assault, disruptive behavior and emotional problems.

- 13 Demonstrate knowledge of the incident command system, the medical branch, transportation, types of incidents and triage during a multi-casualty scene management.
- 14 Demonstrate knowledge of principles of extrication and disentanglement.
- 15 Demonstrate knowledge of patient care during transport, including care of pre-existing indwelling devices, performing CPR during transport, and helicopter safety.
- 16 Demonstrate knowledge of hazardous material at the first responder awareness level.
- 17 Demonstrate knowledge of local policies and procedures.
- 18 Demonstrate knowledge of use of the semi-automatic defibrillator and policies/procedures regarding EMT defibrillation.
- 19 Demonstrate knowledge of patient care in class, hospital, clinical, and/or field setting.
- 20 Describe the key concepts and principles underlying NIMS.
- 21 Demonstrate all the components of the incident command system and how they integrate emergency and nonemergency incidents.

Textbooks & Other Resources or Links

- Student Textbook-REQUIRED - Emergency Care 13th Ed. Publisher-Pearson Education, Author Limmer O’Keefe (2012).
- No Emergency Care workbook required – A mandatory testing website/APP will be purchased by each student. The website/APP will be disclosed on the first day of class. Approximately \$50
- Student Workbook-REQUIRED – IS 100 & IS 700 Handout (will be provided by instructor)
- American Heart Association-CPR Card. *Replacement cards are \$10.00.*
- CPR mask \$17.00 and American Heart Association Basic Life Support for Healthcare Providers book (2015) \$22. Must purchase both prior to taking the CPR portion of the class
- I.D. Badge- \$5.00 required. It is not the same as the student I.D. Instructor will notify you when it’s time.
- Background check and drug screening = ~\$ 83.00
- The student is required to wear the items below to class. Please purchase when given notice. The student is responsible to purchase their uniform by the date given in the schedule. Failure to do so will result in failure of the course.
- Polo Shirts and Uniform Pants (approximately \$40.00) for course must be purchased on own.
 - Polo Shirt: Must be a Navy Blue. No logos.
 - Pants: navy blue or black Dockers or Uniform Pant. (NO Jeans).
 - Wrist watch with second hand
- Fire First Responders will wear the required uniform on **all** days, including skills/simulation days

Course Requirements and Instructional Methods

This course is taught at a professional level for students seeking a career in fire fighting. Students are expected to behave professionally during all aspects of this class. In addition, you are representing the college in your assigned clinical settings. Admission to Imperial Valley College is governed by the laws of the state and such supplementary regulations as prescribed by the Board of Trustees. It is assumed that the entry of a student into

Imperial Valley College constitutes the student's acceptance of the Standards of Student Conduct and the regulations published by the college in the General Catalog.

Additional mandatory hours. All students are required to do 20 hours of Clinical/Field hours and to assess and document a total of 5 patients. Any student who does not do the required hours or fails to assess 5 patients will receive an "F" for the entire class.

- Clinical Hours: Twelve hours - scheduled-TBA
- Field Hours: Twelve hours –scheduled-TBA
- Hospital Orientation: Online

Course Grading Based on Course Objectives

The student must meet requirements of the: National Registry of Emergency Medical Technicians, California EMS Authority, Imperial County EMS Agency, American Heart Association, **AND** the Office of the State Fire Marshall.

Grading for the different sections of this course may vary slightly please read carefully. Ultimately, the EMT comprehensive final test **must** be passed with a score of 80% or higher **AND** the FIRE comprehensive final test that **must** be passed with a score of ___ or higher in order to pass the course.

Again, **BOTH** finals must be successfully passed at the cut score **AND** remaining sections of the course must have a final grade of C or higher to successfully pass this course.

EMT Grading Scale:

93-100	A
85-92	B
77-84	C
Below 77	F

AND

Pass Final with 80% or higher

FIRE Grading Scale

93-100	A
85-92	B
77-84	C
Below 77	F

AND

Pass Final with ____% or higher

This is required by the State of California and reflects the National standard. Students are allowed one re-take of the written final, however the first score will be the only one applied to your grade. Any students not receiving an 80% on either attempt will receive an "F" for the entire course.

Other Requirements:

- Students **must** take all scheduled written and practical examinations. It is up to you to periodically check the student schedule. There are no make-ups to an exam.
 - Examinations will be based on information presented in lecture, from the textbook and skills presentations.
- Students **must** pass all section examinations with the minimum of 77% proficiency.
- The CPR examination **must** be passed with the minimum of 84% proficiency (AHA). Students who cannot pass the CPR exam will be dropped from the class

Points Possible

Written Final =300 points

EMT Homework = 25- 50 points per assignment. Approximately 8

Clinical/Field hours = 100

CPR = 50 points

Class Participation/ Skills = **100**

EMT Tests = 100 per test. Approximately 8

IS Tests = 100 per test. Approximately 2

Practice APP EMT = 200 points

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.
- Absences attributed to the representation of the college at officially approved events (conferences, contests, and field trips) will be counted as 'excused' absences.
- **You are allowed a total of 2 absences or 10 hours of class time.** Three tardies equals 1 full absence.
- **Mandatory Days:** There will be several mandatory days listed in the Class Schedule. These days are required to progress in the course and they cannot be repeated. Students missing a mandatory day may be dropped from the course or receive a failing grade.

Classroom Etiquette

- Electronic Devices: Cell phones and electronic devices must be turned off and put away during class unless otherwise directed by the instructor. Each offense will result in 10 points being deducted from your Participation/Skills grade; repeat offenders will be asked to leave.
- 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.
- 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 to take and present 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 correctly 'cite a source', 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, or assisting others in using materials, which are prohibited or inappropriate in the context of the academic assignment in question.

Anyone caught cheating or 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 School 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) use of a commercial term paper service

Additional Help – Discretionary Section and Language

- **Blackboard** support center: <http://bbcrm.edusupportcenter.com/ics/support/default.asp?deptID=8543>
- **Learning Labs:** There are several 'labs' on campus to assist you through the use of computers, tutors, or a combination. Please consult your college map for the Math Lab, Reading & Writing Lab, and Learning Services (library). Please speak to the instructor about labs unique to your specific program
- **Library Services:** There is more to our library than just books. You have access to tutors in the learning center, study rooms for small groups, and online access to a wealth of resources.

Disabled Student Programs and Services (DSPS)

Required Language: 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. If you feel you need to be evaluated for educational accommodations, the DSP&S office is located in Building 2100, telephone 760-355-6313.

Student Counseling and Health Services

Required Language: Students have counseling and health services available, provided by the pre-paid Student Health Fee. We now also have a fulltime mental health counselor. For information see <http://www.imperial.edu/students/student-health-center/>. The IVC Student Health Center is located in the Health Science building in Room 2109, telephone 760-355-6310.

Student Rights and Responsibilities

Students have the right to experience a positive learning environment and due process. For further information regarding student rights and responsibilities please refer to the IVC General Catalog available online at http://www.imperial.edu/index.php?option=com_docman&task=doc_download&gid=4516&Itemid=762

Information Literacy Imperial Valley College is dedicated to help students skillfully discover, evaluate, and use information from all sources. Students can access tutorials at

<http://www.imperial.edu/courses-andprograms/divisions/arts-and-letters/library-department/info-lit-tutorials/>

Anticipated Class Schedule / Calendar

Upon Course Completion:

Once the course is completed and the student has met the requirements of the California EMS Authority and the Imperial County EMS Agency an \$87.00 fee will be required by the agency. To obtain county certification you must contact them first and make an appointment with them to acquire your Imperial County EMS EMT-I card. (The EMS EMT-1 CARD ALLOWS YOU TO WORK AS AN EMT.) The County EMS will need your National Registry Card, American Heart Association Healthcare Provider CPR Card, Fee, and to see an Identification Card.

Imperial County EMS Agency, EMS Manager
935 Broadway
El Centro, CA 92243
760-482-4516 or 760-482-4768

You have two years from your completion date to acquire your EMS EMT-1 Card. If you don't acquire it within two years you will have to repeat the course. If you do not have a card you are not able to work as an EMT in this state. The certificate you are sent in the mail is just a course completion certificate.

Upon completion of this course you have within two years to take your National Registry Exam. You must pass the National Registry Written exam to become certified in the State of California as an EMT. If you wait over one year you will need to be retested on your skills proficiency. You may contact our EMS office to find out when an exam is going to be administered or look on the National Registry website: www.nremt.org.

Most testing centers require you to submit your current American Heart Association Healthcare Provider Card, Application, a site fee, National Registry fee and your course completion certificate.

Recertification of your EMT card:

The State of California does not require you to retain a National Registry card.

Every two years:

1. You need to have your skills competency verified by your agency. If you do not work for an agency you need to attend a refresher course.
2. Twenty-four hours of continuing education or a refresher course.

Expired candidates:

1. If expired **less than six months**, you will need to do the above.
2. If expired **six months to a year**, you may need to do additional CE hours
3. If expired 1 to 2 years, additional CE AND possibly redo the National Registry.
4. If expired more than 2 years, you will be required to repeat the entire EMT course.
5. Contact your local EMS office to see what the requirements are.

You will need to refer to THIS SYLLABUS through out the course.

Full-Time Faculty Bio-sketches:

Steve Holt, EMTP, EMT-I Instructor – Steve Holt is the EMT Instructor for Imperial Valley College. He was a full time Paramedic for Gold Cross Ambulance for 20 years. He continued to work there part time for another 6 years. Steve also teaches for IVC’s Paramedic program.

Alfredo Estrada, Deputy Training Chief for Imperial County Fire Department- Alfredo Estrada has worked for Imperial County Fire Department since 1998. He is the Fire Technology Director and IVC, and has been teaching at IVC since 2006. Mr. Estrada holds a Master of Science degree from the University of Jacksonville and a Chief Officer certification from State Fire Training.

Adjunct Faculty

Information on other adjunct faculty is available at your request.

Working in EMS can be the best job in the world. It’s never dull and full of great individuals. The satisfaction of helping someone when they’re sick, injured or scared is a wonderful feeling. Let’s have a great semester and put that EMT certificate in our pocket. Who’s ready? Who’s coming with me ?

Steve Holt, EMT-P, EMT-I Instructor

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FIRE 140 CLASS SCHEDULE FOR FALL 2015

DATE:	Chapter/ Title	Requirements/Due
8/16/16	INTRODUCTION TO COURSE SYLLABUS Schedule	Purchase Books/Wristwatch/CPR
8/18/16	American Heart Association CPR DAY 1	CPR BOOK, MASK Mandatory
8/23/16	AHA Written Exam. CPR Day 2	CPR BOOK, MASK Mandatory
8/25/16	Cover Chapter 1-3	Textbook/ Blackboard Homework Ch. 1-6
8/30/16	Cover Ch. 4-6	
09/01/16	Exam: Ch. 1-6 Cover Ch. 7 -8	HW 1- 6 Scantron due HW 7-10 in Blackboard

Imperial Valley College Course Syllabus – Course Title and number

9/6/16	Cover Ch. 9-10 Skills sheets nremt.org	
9/08/16	Skills day; Airway, Vitals Lift	Skills/Uniform day.

	and move patients	
9/13/16	Exam: Ch. 7-10 Cover Ch. 11-13	HW 7-10 due HW 11-15 starts in Blackboard
9/15/15	Cover Ch. 14-15 Documentation scenario	
9/20/16	Exam: 11-15 Cover Ch.16-17	HW 11-15 Due Documentation Due HW 16-19 in Blackboard
9/22/16	Cover Ch. 18-19	
9/27/16	Exam 16-19 Cover Ch. 20-21	HW 16-19 due HW 20-24 Blackboard
09/29/16	Prove completion PMH orientation Cover Ch. 22-24	Mandatory day Background/Drug and TB test must be completed
10/4/16	Exam 20-24 Skills practice	HW 20-24 due
10/6/16	Trauma Cover Ch. 25-27	25-30 HW in BB
10/11/16	Cover Ch. 28-30	
10/13/16	Trauma skills day	Uniform day
10/18/16	Exam: Ch. 25-30 Cover Ch. 31 Scenarios	HW 25-30 Due HW 31-35 in BB

Imperial Valley College Course Syllabus – Course Title and number

10/20/16	Cover Ch. 32-33	
10/25/16	Cover Ch.33 continued/ 34-35 OB/PEDS Practice quiz	
10/27/16	Exam 31-35 Cover Ch. 36-37	HW 31-35 Due 36-39 in BB
11/01/16	Cover Ch. 38-39 Practice testing	
11/03/16	Field Trip at ICFD REACH AIR Extrication Practice	Skills day Uniform day
11/08/16	Exam 36-39 Discuss Skills Final Review for Final	HW 36-39 due
11/10/16	Practice Testing Prevention Research Student Presentations	Bring Electronics
11/15/16	Review 1-39	
11/17/16 and 11/29/16	Skills Practice	
12/01/16	Written Final Ch. 1-41	Workbook/Clinical/Field Due
12/08/16	Written Final Re-take at 1100	Only Chance
12/06/16	Skills Final Day 1	Uniform
12/08/16	Skills Final Day 2. Last Day	Uniform

<u>Date</u>	<u>Subject</u>	<u>Requirements</u>
	<u>IS 100</u>	Approved SFT curriculum
08/17/16	Course Overview	All provided by inst.
08/24/16	ICS Overview Quiz 1	All provided by inst.
08/31/16	ICS Features and Principles Quiz 2	All provided by inst.
09/07/16	Incident Commander and Command staff functions Quiz 3	All provided by inst.
09/14/16	General Staff functions / Unified	All provided by inst.

Imperial Valley College Course Syllabus – Course Title and number

	Command Quiz 4	
09/21/16	Course Summary Putting it all together Quiz 5	All provided by inst.
09/28/16	Mid Term / All ICS - 100 Assignments due Quiz 6	All provided by inst.
	<u>IS 700</u>	
10/05/16	Course Overview Quiz 1	All provided by inst.
10/11/16	Understanding NIMS Quiz 2	All provided by inst.
10/19/16	NIMS Preparedness Quiz 3	All provided by inst.
10/26/16	Communications and Information Management Quiz 4	All provided by inst.
11/02/16	NIMS Resource Management Quiz 5	All provided by inst.
11/09/16	NIMS Command and Management Quiz 6	All provided by inst.
11/16/16	Additional Resources and Course Summary Quiz 7	All provided by inst.
11/30/2016	/ All ICS - 700 Certifications and Presentations due Quiz 8	All Provided by inst.
12/07/2016	Written Final	All Provided by inst.