

**Basic Course Information**

Semester	<b>Fall 2018</b>	Instructor's Name	<b>Salvador Flores</b>
Course Title & #	<b>Fire 140/ FIRE First Responder</b>	Instructor's Email	<b>sal.flores@imperial.edu</b>
CRN #	<b>10872</b>	Webpage (optional)	
Room	<b>3204</b>	Office (PT Faculty:809)	
Class Dates	<b>8/18/16 – 12/10/16</b>	Faculty Office Hours (n/a for PT Faculty)	
Class Days	<b>Tuesday (EMT), Wed. (IS100-IS700, and Thursday (EMT)</b>	Office Phone # (PT may use dept. number)	
Class Times	<b>Lec 4:30 PM-5:55 PM Lab 6:05 PM-9:30 PM</b>	Who students should contact if emergency or other absence:	Tricia Jones 760 355 6183 <a href="mailto:tricia.jones@imperial.edu">tricia.jones@imperial.edu</a>
Units	<b>9.5 units</b> <b>AND</b> <b>IS 100 &amp; IS 700 content: Wed: 6:30 pm- 08:35 pm</b>		

**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

1. Demonstrate the application of a traction splint in proper sequence and using standard precautions. (ILO 2, ILO 3)
2. Demonstrate the use of federal and state laws in relation to on scene emergencies. (ILO1)
3. Demonstrate the ability to describe the history, features and principles, and organizational structure of the Incident Command System. (ILO2)
4. 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 (2014).
- 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 \$15
- Student Workbook – IS 100 & IS 700 Handout (will be provided by Chief Flores).
- 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 \$22. Must purchase both prior to taking the CPR portion of the
- **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 -\$100**
- 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.
- **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 firefighting. 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 24 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/document 5 patients will receive an "F" for the entire class.

- **Clinical Hours:** Twelve hours - scheduled-TBA PMHD
- **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 80% 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%

**FIRE Grading Scale**

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

**AND**

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 (8). Short answer questions and Multiple choice

**Clinical/Field hours** = 100 points. Must assess and document 5 patients.

**CPR** = 50 points

**LC Ready APP** = 100 points. Must achieve an 80% or better on all 5 Practice Tests in the APP (20 points each). You are allowed multiple chances

**Hospital Orientation** = 20 points if completed on time.

**IS-100 and IS-700** = 150 Points. 50 points per assignment (3).

**Class Participation/ Skills** = 100

**EMT Tests** = 100 per test (8)

### 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 11.5 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](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](http://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 throughout 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. Who’s coming with me . . . . . ?**

**Steve Holt, EMT-P, EMT-I Instructor**

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**FIRE 140 CLASS SCHEDULE FOR FALL 2015**

<b>DATE:</b>	<b>Chapter/ Title</b>	<b>Requirements/Due</b>
8/14/18 Day 1	Introduction of Course Syllabus	Holt
8/16/18 Day 2	American Heart Association CPR/ Defibrillation Day 1	Holt/Green/2 Pro Need CPR Book/Mask
8/21/18 Day 3	AHA CPR/Defibrillation Day 2	Green/York Plus 2 Pro CPR Book/Mask
8/23/18 Day 4	<b>Cover Ch. 1-3</b> Intro to EMS Well-being of the EMT Lifting and Moving	<b>Green</b> <b>Must have Textbook</b> <b>Ch. 1-6 HW in Canvas</b>
8/28/18 Day 5	<b>Cover Ch. 4-6</b> Medical Terminology	Holt



Imperial Valley College Course Syllabus – Course Title and number

	Legal Issues Anatomy and Physiology	
8/30/18 Day 6	<b>EXAM Ch. 1-6</b> <b>Cover Ch.7-8</b> Pathophysiology/Shock Life Span Development	A Castro <b>HW 1-6 DUE</b> <b>HW 7-10 in Canvas</b>
9/4/18 Day 7	<b>Cover Ch. 9-10</b> Airway management Oxygenation and Ventilation	Holt
9/6/18 Day 8	<b>Skills;</b> Airway, Vitals, Lifting and Moving Patients	Green, Castro, York. Plus 1 Pro Expert Skills Sheets

9/11/18 Day 9	<b>EXAM 7-10</b> <b>Cover Ch. 11-13</b>  Scene Size-Up Primary Assessment Vitals Practice	Green <b>HW 7-10 DUE</b> <b>HW 11-15 in Canvas</b>
9/13/18 Day 10	<b>Cover Ch. 14-15</b> Secondary Assessment Communication/Documentation	Holt
9/18/18 Day 11	<b>Exam 11-15</b> <b>Cover Ch. 16-17</b> Pharmacology and Respiratory	Green <b>HW 11-15 DUE</b> <b>HW 16-19 in Canvas</b>
9/20/18 Day 12	<b>Cover Ch. 18-19</b>  Cardiac Emergencies Diabetes and Altered Mental Status	Holt

Imperial Valley College Course Syllabus – Course Title and number

9/25/18 Day 13	<b>EXAM 16-19</b> <b>Cover Ch. 20-21</b> Allergic Reaction Poisoning/Overdose Epinephrine Pen Skill	<b>Castro</b> <b>HW 16-19 Due</b>  <b>HW 20-24 in Canvas</b>
9/27/18 Day 14	<b>Cover 22-24</b>  Abdominal Emergencies Behavioral Emergencies Hematologic/Renal Emergencies	<b>Green</b>
10/2/18 Day 15	<b>EXAM 20-24</b> Assessment Skills <b>Skills practice</b>	<b>Green/Ochoa/ plus 1</b> <b>Pro expert</b> <b>Skills Sheets</b> <b>HW 20-24 DUE</b> HW 25-31 in Canvas
10/4/18 Day 16	<b>Intro to Trauma</b> <b>Cover Ch. 25-26</b> Bleeding and Shock Soft Tissue Trauma <b>Bleeding/Shock Skill</b>	<b>Holt</b> <b>Hospital Orientation</b> <b>DUE</b>
10/9/18 Day 17	<b>Cover Ch. 27-29</b> Chest Trauma Musculoskeletal Trauma Head/Neck Trauma	<b>Castro</b>
10/11/18 Day 18	Trauma skills Day	<b>Green/Castro/2 Pro</b> <b>Expert</b> <b>Skills sheets</b>
10/16/18 Day 19	<b>Cover Ch. 30-31</b> Multisystem Trauma Environmental Emergencies Documentation Practice after Scenario	<b>Green</b>
10/18/18 Day 20	<b>EXAM 25-31</b> EMT Scenarios/Review	<b>Holt</b> <b>HW 25-31 DUE</b> <b>HW 32-35 in Canvas</b>

Imperial Valley College Course Syllabus – Course Title and number

10/23/18 Day 21	<b>Cover Ch. 32-33</b> Obstetrics Pediatrics	Holt
10/25/18 Day 22	Pediatrics Continued <b>Cover Ch. 34-35</b> Geriatrics Special Populations	York
10/30/18 Day 23	<b>EXAM 32-35</b> <b>Cover Ch.36-37</b> EMS Operations HAZMAT MCI	Castro <b>HW 32-35 DUE</b>  <b>HW 36-39 in Canvas</b>
11/1/18 Day 24	<b>Cover Ch. 38-39</b> Gaining Access EMS Terrorism	Green
11/6/18 Day 25	<b>ICFD Field Trip</b> Extrication Air Operations	Holt
11/8/18 Day 26	<b>EXAM 36-39</b> Mass Casualty Incident Drills  Tactical EMS	Castro <b>HW 36-39 DUE</b>
11/13/18 Day 27	Skills Final Practice	Green
11/15/18 Day 28	Skills Final Practice	Green
11/27/18 Day 29	Review Written Final Jeopardy Game Review	Holt
11/29/18	Written Final	Holt <b>LC Ready APP DUE</b> <b>Clinical/Field DUE</b>
12/4/18	National Skills Final Day 1	Green/Castro/2 Pro Experts
12/6/18	National Skills Final Day 2	Green /York/1 Pro Experts

<u>Date</u>	<u>Subject</u>	<u>Requirements</u>
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Imperial Valley College Course Syllabus – Course Title and number

	<b><u>IS 100</u></b>	Approved SFT curriculum
08/15/18	Course Overview	Flores
08/22/18	ICS Overview Quiz 1	Flores
08/29/18	ICS Features and Principles Quiz 2	Flores
09/5/18	Incident Commander and Command staff functions Quiz 3	Flores
09/12/18	General Staff functions / Unified Command Quiz 4	Flores
09/19/18	Course Summary Putting it all together Quiz 5	Flores
09/26/18	Mid Term / All ICS - 100 Assignments due Quiz 6	Flores
	<b><u>IS 700</u></b>	
10/3/18	Course Overview Quiz 1	Flores
10/10/18	Understanding NIMS Quiz 2	Flores
10/17/18	NIMS Preparedness Quiz 3	Flores
10/24/18	Communications and Information Management Quiz 4	Flores
10/31/18	NIMS Resource Management Quiz 5	Flores
11/7/18	NIMS Command and Management Quiz 6	Flores
11/14/18	Additional Resources and Course Summary Quiz 7	Flores
11/28/18	/ All ICS - 700 Certifications and Presentations due Quiz 8	Flores
12/5/18	Written Final	Flores