

**Basic Course Information**

Semester	<b>Fall 2019</b>	Instructor's Name	<b>Salvador Flores</b>
Course Title	<b>Fire 140/ FIRE First Responder</b>	Instructor's Email	salvadorflores@co.imperial.ca.us
CRN	<b>10872</b>	Webpage (optional)	
Room	<b>3204</b>	Office (PT Faculty:809)	
Class Dates	<b>8/19/19 – 11/21/19</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)	760-427-0012
Class Times  Units <b>9.5 units</b>	<b>Lec 4:30 PM-5:55 PM Lab 6:05 PM-9:30 PM IS 100 &amp; IS 700 content: Wed: 6:30 pm- 08:35 pm</b>	Who students should contact if emergency or other absence:	Sal. Flores 760-427-0012 sal.flores@imperial.edu Tricia Jones 760 355 6183 <a href="mailto:tricia.jones@imperial.edu">tricia.jones@imperial.edu</a>

**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 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 (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

**FIRE Grading Scale**

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

**AND**

Pass Final with 80%

**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

- **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.

Imperial Valley College Course Syllabus – Course Title and number

**FIRE 140 CLASS SCHEDULE FOR FALL 2019**

20-Aug	Tuesday	1630-2145	Fire Academy Orientation
21-Aug	Wednesday	1800-2135	Introduction and Course Syllabus
22-Aug	Thursday	1630-2145	AHA CPR Certification
27-Aug	Tuesday	1630-2145	Lect CH01-03 Intro to EMS, Well-being, Lifting and moving
28-Aug	Wednesday	1800-2135	ICS/NIMS
29-Aug	Thursday	1630-2145	Lect CH04-06 Med. Term, Legal, Anatomy & Phys.
3-Sep	Tuesday	1630-2145	Test Chp 1- 6 Lect CH 7-8 Pathophys, Life Span
4-Sep	Wednesday	1800-2135	ICS/NIMS
5-Sep	Thursday	1630-2145	Lect CH 9-10 Airway, Oxygen & Vent
10-Sep	Tuesday	1630-2145	SKILLS- Airway, Lifting & Moving
11-Sep	Wednesday	1800-2135	ICS/NIMS
12-Sep	Thursday	1630-2145	Test CH 7-10 Lec- CH 11-13 Size-up, Primary Ass, Vitals
17-Sep	Tuesday	1630-2145	LEC CH 14-15 Secondary Ass, Comms
18-Sep	Wednesday	1800-2135	ICS/NIMS
19-Sep	Thursday	1630-2145	Test CH 11-15 Lec CH 18-19 Cardiac, Diabetes and Mental
24-Sep	Tuesday	1630-2145	Test 16-19 Lec - CH 20-21 Allergic, Poison, Epi
25-Sep	Wednesday	1800-2135	ICS/NIMS
26-Sep	Thursday	1630-2145	LEC - 22-24 Abdom, Behavi, Hematologic
1-Oct	Tuesday	1630-2145	Test CH - 20-24 Skills - Practice Assesment Skills
2-Oct	Wednesday	1800-2135	ICS/NIMS
3-Oct	Thursday	1630-2145	Lec CH 25-26 Bleeding, Soft Tissue Skills Bleeding/Shock
8-Oct	Tuesday	1630-2145	Lec CH 27-29 Chest, Muscul, Head/Neck
9-Oct	Wednesday	1800-2135	ICS/NIMS
10-Oct	Thursday	1630-2145	Skill - Trauma
15-Oct	Tuesday	1630-2145	LEC CH- 30-31 Multisys, Environment, Documentation
16-Oct	Wednesday	1800-2135	ICS/NIMS
17-Oct	Thursday	1630-2145	Test 25-31 Skills - EMT Scenarios
22-Oct	Tuesday	1630-2145	Lec CH 32-33 OB, Peds
23-Oct	Wednesday	1800-2135	ICS/NIMS
24-Oct	Thursday	1630-2145	Lec CH 34-35 Geriatric, Special Population
29-Oct	Tuesday	1630-2145	Test CH 32-35 Lec CH 36-37 EMS Ops, HazMat, MCI
30-Oct	Wednesday	1800-2135	ICS/NIMS
31-Oct	Thursday	1630-2145	Lec 38-39 Gaining Acces, EMS Terrorism
5-Nov	Tuesday	1630-2145	Patient Extrication / Air Operations Fire Station
6-Nov	Wednesday	1800-2135	ICS/NIMS
7-Nov	Thursday	1630-2145	Test CH 36-39 MCI Drill / Tactical EMS
12-Nov	Tuesday	1630-2145	Skills Final Practice
13-Nov	Wednesday	1800-2135	ICS/NIMS
14-Nov	Thursday	1630-2145	Written Final
19-Nov	Tuesday	1630-2145	National Skills Final Day 1
20-Nov	Wednesday	1800-2135	ICS/NIMS
21-Nov	Thursday	1630-2145	National Skills Final Day 2