

## Basic Course Information

Semester:	<b>Fall 2021</b>	Instructor Name:	<b>Steven holt</b>
Course Title & #:	<b>EMT-105</b>	Email:	<b>Steve.holt@imperial.edu</b>
CRN #:		Webpage (optional):	
Classroom:	<b>3204</b>	Office #:	<b>3206</b>
Class Dates:	<b>8/18/21-12/10/21</b>	Office Hours:	<b>Monday 1530-1630 Tuesday 0930-1130 Wednesday 1430-1530</b>
Class Days:	<b>Wednesdays and Fridays</b>	Office Phone #:	<b>Steve-760 355 6183 Tricia 760 355 6483</b>
Class Times:	<b>8:30 am-1:55 pm</b>	Emergency Contact:	<b>Trica.jones@imperial.edu</b>
Units:	<b>7.5</b>	Class Format:	<b>LIVE</b>

## Course Description

A course designed for individuals who will encounter victims of illness or injury primarily in an emergency, prehospital environment. This course would be of value to all emergency service personnel, including ambulance personnel, law enforcement, fire services, hospital emergency department, and other rescue personnel. Topics will include roles and responsibilities, 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 are included. This course is approved by the Imperial County Emergency Medical Services Agency. Successful Course completion makes students eligible to take the National Registry Exam (NREMT). Students who complete the EMT course and Pass the National Registry Exam are eligible for an EMT License in any state in the U.S.

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

*There are no Pre-requisites for the course.*

*\*Students must pass the BLS Healthcare Provider CPR portion at the beginning of the course.*

## Student Learning Outcomes

- 1) Write a narrative report from data supplied in various forms including written input, verbal input, and visual observations. The report will be legible, will have correct spelling and punctuation, and will demonstrate the proper use of grammar. (ILO1)
- 2) Complete an assessment of a medical patient, while providing appropriate care , using a National standard check off sheet. (ILO 1, ILO)
- 3) Complete a patient assessment on a trauma Pt in proper sequence and using standard precautions. This is a Verbal and Hands-on skill. (ILO 2, ILO 3, ILO 4)
- 4) Demonstrate correct application of spinal immobilization equipment for given scenario. (ILO1, ILO2, ILO3)

## 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 Understand Infectious Diseases know signs and symptoms, and when and how to use Personal Protective Equipment PPE.
- 4 Demonstrate knowledge of CPR, foreign body airway management, airway management, oxygen administration, and KING airway management.
- 5 Demonstrate knowledge of the role of the ALS provider, the local ALS unit and equipment, assisting ALS providers, and how to communicate effectively with ALS providers.
- 6 Demonstrate knowledge of scene assessment, patient history, primary and secondary survey, neurological exam, and accurate measurement of vital signs.
- 7 Demonstrate knowledge of body substance isolation, methods of disease transmission, immune system responses, and the chain of transmission.
- 8 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.
- 9 Demonstrate knowledge of cardiovascular, respiratory, non-traumatic abdominal, neurological, and diabetic emergencies.
- 10 Demonstrate knowledge of physiological changes during pregnancy, complications of pregnancy, stages of labor and delivery, normal childbirth, and resuscitation of the newborn.
- 11 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.
- 12 Demonstrate knowledge of electrical emergencies, heat and cold emergencies, poisonings, water related emergencies, bites, stings, envenomation, altitude sickness, allergic reactions/anaphylactic shock.
- 13 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.
- 14 Demonstrate knowledge of the incident command system, the medical branch, transportation, types of incidents and triage during a multi-casualty scene management.
- 15 Demonstrate knowledge of principles of extrication and disentanglement.
- 16 Demonstrate knowledge of patient care during transport, including care of pre-existing indwelling devices, performing CPR during transport, and helicopter safety.

17 Demonstrate knowledge of hazardous material at the first responder awareness level.

18 Demonstrate knowledge of use of the semi-automatic defibrillator and policies/procedures regarding EMT defibrillation.

19) Describe the key concepts and principles of National Incident Management System

20) Demonstrate the knowledge of the Roles and Responsibilities of an EMT in a Tactical Emergency

## **Textbooks & Other Resources or Links**

**Option #1** Real Book

• Student Textbook-REQUIRED - Emergency Care 14th Ed. Publisher-Pearson Education, Author Limmer O'Keefe (2016).

ISBN-13: 9780135379134

**Option #2 Pearson eText Emergency Care -- Instant Access**

ISBN-13: 9780136873242

- The LC Ready APP will be Purchased by IVC. Students will receive an access code.
- American Heart Association Basic Life Support for Healthcare Providers Manual (2020) \*Manuals will be loaned by IVC
- American Heart Association-CPR Card \$5 (Day 3)
- I.D. Badge- \$5.00 required
- Background check and drug screening = ~\$ 83 -\$100
- Student must purchase Polo Shirts and Uniform Pants.
- Uniform pants- Navy Blue – Purchase at WALMART or wherever

Uniform Shirt – navy Blue with LOGO. Purchase at Border Tactical in El Centro = 925 N Imperial Centro (760-353-9482)

- Students will wear the required uniform on all skills/simulation days. Purchase within 5 weeks of class

## Course Requirements and Instructional Methods

### Course Grading Based on Course Objectives

- Background/Drug/Immunization package

\*All students, who are going to do Ambulance/Fire Engine/Hospital Time must complete a Background check, Physical, Drug test, TB Test, FLU Shot, Hepatitis B shot, and other basic immunizations prior to doing their Field/Hospital Hours.

\*EMT Students require 24 hours of patient experience. Students can receive 12 Hours live on the ambulance, only by completing the Background/Drug Packet. Students with 12 hours Live ride along will complete the other 12 hours in patient simulations and Scenarios.

\*Students who do not complete a background/drug packet will not go to the ambulance. They will do all 24 hours at IVC using Simulations/Scenarios. All students will document at least 10 patient contacts whether they are Real or Simulated.

\* The EMT-105 Class will likely be asked to assist in COVID-19 Or Flu Vaccination Sites. These hours can also be used as part of the 24 hours of patient experience.

\* It is possible that despite doing the background /drug/immunizations that we will not be allowed in the hospital setting.

*The EMT comprehensive final test must be passed with a score of 80% or higher.*

*Students have a second chance to take the written final if they get less than 80% the first time. The second chance score does not apply to their grade. A student who cannot achieve an 80% or higher after two chances, will receive an F for the entire course.*

### EMT Grading Scale:

93-100 -A

85-92 -B

77-84 -C

Below 77 - F

AND Pass Final with 80% or higher

- **Mandatory exercise** will be an everyday part of your class participation points.

**Written Final** =300 points

**Midterm**=200 points

**LC Ready APP Exams** = 20 point after achieving an 80% or better on each of the 5 “Practice Exams” =100 points total.

**LC Ready APP Review Quizzes** = HW Quizzes in APP – 10 points each awarded after achieving an 80% or better on each of the “Review Quizzes” = 110 points total.

**EMT Homework** = There will be Multiple choice and essay homework for each set of Chapters. Each HW assignment is worth 50 points.

**Ambulance/Scenarios/ 10 Documented Patients = 100 points**

**CPR Exam = 50 points**

**Exercise/Skills/Uniforms/Participation = 50 points**

**Five CANVAS NREMT Exams = 50 points each – 250 points**

## Course Policies

*EMT -105 students will be on time to all \*LIVE classes*

*EMT 105 students will wear a tucked in uniform on all skills days.*

*You can only miss a total of 11 hours class*

*\*\*Some skills days may be difficult to recreate for the student.*

## Other Course Information

*Emergency Medical Services is a wonderful profession. It is a special feeling to help people when they are sick, injured, and scared.*

*Upon completion of this course, you are eligible to take the National Registry of Emergency Medical Technicians (NREMT) Exam.*

*You will plan to take a computer exam at an NREMT (Pearson Vue) Testing centers.*

*Passing the NREMT exam means you are eligible to have an EMT license in any state in the United States.*

*Your instructor will go over this process in the final weeks of class.*

## IVC Student Resources

IVC wants you to be successful in all aspects of your education. For help, resources, services, and an explanation of policies, visit <http://www.imperial.edu/studentresources> or click the heart icon in Canvas.

## Anticipated Class Schedule/Calendar

DATE:	Chapter/ Title	Requirements/Due Dates
8/18/21 Day 1	Introduction to Course Syllabus Schedule Course materials/Uniforms/Ride along Hours <b>LIVE Class* (Live classes will be in person IVC Campus Room 3204)</b> <b>**All classes are 8:30am-1:55pm**</b>	<b>Holt</b>  <b>Begin work on background/TB/FLU</b>


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8/20/21 Day 2	AHA. CPR Day 1 Mandatory Day	CPR BOOK Holt/ /Green/ +1 faculty
8/25/21 Day 3	AHA CPR Day 2	CPR BOOK, Ochoa, Green, Holt +1 faculty  AHA CPR Exam
8/27/21 Day 4	Cover Chapters 1-3 From Emergency Care Textbook	<b>Study Chapters 1-6</b>  HW Ch 1-6 in CANVAS Green
9/1/21 Day 5	Cover Chapter 4-6 From Emergency Care <b>Review Chapters 1-6</b>	Holt
9/3/21 Day 6	Cover Chapters 7-8	<b>Holt</b> HW 7-10 Canvas HW 1-6 is Due
9/8/21 Day 7	Cover Chapters 9-10 Review Chapters 7-10	<b>Study Chapters 7-10</b> <b>Holt</b>
9/10/21 Day 8	<b>Skills day</b> ; Airway, Lifting and Moving.	Ochoa/Green / +1 faculty <b>Uniforms/Skills day</b>

9/15/21 Day 9	<b>Cover Chapters 11-14</b>	<b>Ochoa</b>  <b>HW 11-17 in CANVAS</b> HW 7-10 is Due*
9/17/21 Day 10	<b>Cover Chapters 15-17</b>  <b>Review Chapters 11-17</b>	<b>Holt</b>
9/22/21 Day 11	<b>Cover Chapters 18-20</b>	<b>Holt</b>  <b>HW 18-22 in CANVAS</b>
9/24/21 Day 12	<b>Cover Chapters 21-22</b>  <b>Review Chapters 18-22</b>	<b>Holt</b>
9/29/21 Day 13	<b>Skills Day LIVE Class*</b>  <b>Patient Assessment and Vitals</b> <b>Ambulance Simulator</b>	<b>Castro /Ochoa/Staff</b>  HW 11-17 Due* HW 18-22 Due*
10/1/21 Day 14	<b>Cover Chapter 23-25</b>  <b>Midterm Review</b>	<b>Holt</b>  HW 23-29 in CANVAS
10/6/21 Day 15	ZOOM Meeting 8:30am-1:55pm  <b>Cover Chapters 26-28</b>	<b>Green</b>

10/8/21 Day 16	<b>Skills Day * LIVE Class</b>  <b>Live MIDTERM Ch 1-28</b> <b>Pharmacology Skills</b> <b>Epinephrine injection</b> <b>Naloxone Skill</b> <b>Glucometer skills</b>	<b>Green +1 faculty</b>  HW 23-28 Due*
10/13/21 Day 17	ZOOM Meeting 8:30am-1:55pm  <b>Introduction to Trauma</b>  <b>Cover Chapters 29-31</b>	<b>Holt</b>  HW 29-35 in CANVAS



10/15/21 Day 18	<b>Trauma Skills Day LIVE Class*</b>	Castro//Ochoa +2
10/20/21 Day 19	<b>Trauma</b> Cover Chapters 32-35	Holt 
10/22/21 Day 20	<b>Patient Scenarios LIVE Class*</b>	<b>Green /Ochoa</b> <b>HW 29-35 DUE*</b>
10/27/21 Day 21	<b>EMS Operations</b> Cover Chapter 36-37	Holt HW 36-41 in CANVAS
10/29/21 Day 22	<b>EMS Operations</b>  <b>Cover Chapter 38-39</b>	Castro
11/3/21 Day 23	<b>EMS Operations</b>  <b>Cover Chapters 40-41</b>	Green
11/5/21 Day 24	Review Ch 36-41  Group Activity Practice Exams	Holt
11/10/21 Day 25	<b>Patient Scenarios LIVE Class*</b>	Ochoa +1 faculty  <b>HW 36-41 Due*</b>

Imperial Valley College Course Syllabus – Course Title and number

Day 26 11/12/21	<b>LIVE Class*</b>  <b>Mass Casualty Scenario</b>  Tactical EMT	Castro/+1
11/17/21 Day 27	<b>LIVE Class*</b>  Skills Practice for Skills Final	Green/Castro +1
11/19/21 Day 28	ZOOM Meeting 8:30am-1:55pm Review Session Final Review	Holt
12/1/21 Day 29	<b>LIVE Class*</b>  NREMT Application Scenarios OB Skill	<b>Holt</b>  5 LC Ready APP exams Due
12/3/21 Day 30	<b>LIVE Class*</b>  NREMT Skills Final Day 1	Castro /Green/Staff
12/8/21 Day 31	<b>LIVE Class*</b>  NREMT Skills Final Day 2	Ochoa/Green  Skills Packets Due  10 Patient Documentation Due
12/10/21 Day 32	<b>LIVE Class*</b> EMT Written Final Chapters 1-41  <ul style="list-style-type: none"> <li>The Written Final Retake will be held Monday 12/14/21 at 1000 for anyone who failed the first attempt with less than 80%</li> </ul>	Holt





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