

## Basic Course Information

Semester:	<b>Spring 2023 Night</b>	Instructor Name:	<b>Steven holt</b>
Course Title & #:	<b>EMT-105</b>	Email:	<b>Steve.holt@imperial.edu</b>
CRN #:	<b>20337</b>	Webpage (optional):	
Classroom:	<b>3204</b>	Office #:	<b>3206</b>
Class Dates:	<b>2/14/23-6/8/23</b>	Office Hours:	<b>Monday 0900-1100 Tuesday 1500-1700</b>
Class Days:	<b>Tuesdays and Thursdays</b>	Office Phone #:	<b>Steve-760 355 6183 Tricia 760 355 6483</b>
Class Times:	<b>1700-2200</b>	Emergency Contact:	<b>Tricia.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 can be loaned by IVC. In classroom only

• American Heart Association-CPR Card \$5 (Day 3)

• I.D. Badge- \$5.00 required. Pay for badge at the business office

• Background check and drug screening = \$90 - \$100 – Mandatory

• Student must purchase Polo Shirts and Uniform Pants.

• Uniform pants- Navy Blue – Purchase at WALMART, or wherever

Uniform Shirt – Navy Blue with LOGO and your last name with the 1<sup>st</sup> initial. 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, are going to do Ambulance/Fire Engine/Hospital Time. You 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 and hospital, only by completing the Background/Drug Packet. EMT students will do their 12 hours of hospital time at ECRMC or PMH after completing the background/immunizations, and an orientation. It is possible that you will do All 24 hours on the ambulance or Fire Engine.

\* All students will document at least 10 patient contacts whether they are real or simulated.

\* The EMT-105 Class will possibly be asked to assist in EMS Related community events. 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. Squats and Push-ups.

**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** =Twelve HW Quizzes in APP – 10 points each awarded after achieving an 80% or better on each of the "Review Quizzes" = 120 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** = 25 points each – 125 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. You will be dropped after excessive absences.*

*You must put away your Cell phones or computers during chapter lectures. Offenders will be dropped.*

*\*\*Skills days may be difficult or impossible 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
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2/14/23 Day 1	Introduction to Course Syllabus Schedule Course materials/Uniforms/Ride along Hours <b>LIVE Class*</b> (Live classes will be in person IVC)	<b>Holt</b>  <b>Begin work on background/TB/FLU</b>
2/16/23 Day 2	AHA. CPR Day 1 Mandatory Day	CPR BOOK <b>Holt/ Ochoa/Talamantes</b>
2/21/23 Day 3	AHA CPR Day 2 Mandatory Day	CPR BOOK, <b>Green/ Holt / +2 faculty</b>  AHA CPR Exam
2/23/23 Day 4	Cover Chapters 1-3 Emergency Care Textbook 14 <sup>th</sup> edition	<b>Study Chapters 1-6</b>  HW Ch. 1-6 in CANVAS <b>Holt</b>
2/28/23 Day 5	Cover Chapter 4-6 From Emergency Care <b>Review Chapters 1-6</b>	<b>Holt</b>
3/2/23 Day 6	Cover Chapters 7-8	<b>Holt</b> HW <b>7-10 Canvas</b> HW 1-6 is Due
3/7/23 Day 7	Cover Chapters 9-10 Review Chapters 7-10	<b>Study Chapters 7-10</b> <b>Holt</b>
3/9/23 Day 8	<b>Skills day;</b> Airway, Lifting and Moving.	<b>Ochoa/Holt / +1 faculty</b> <b>Uniform/Skills day</b>

3/14/23 Day 9	<b>Cover Chapters 11-14</b>	<b>Holt</b>  <b>HW 11-17 in CANVAS</b> HW 7-10 is Due*
3/16/23 Day 10	<b>Cover Chapters 15-17</b>  <b>Review Chapters 11-17</b>	<b>Holt</b>
3/21/23 Day 11	<b>Cover Chapters 18-20</b>	<b>Holt</b>  <b>HW 18-22 in CANVAS</b>
3/23/23 Day 12	<b>Cover Chapters 21-22</b>  <b>Review Chapters 18-22</b>	<b>Holt</b>
3/28/23 Day 13	<b>Skills Day</b>  <b>Patient Assessment and Vitals</b> <b>Ambulance Simulator</b>	<b>Talamantes/+ 2 Faculty</b>  HW 11-17 Due* HW 18-22 Due*
3/30/23 Day 14	<b>Cover Chapter 23-25</b>  <b>Midterm Review</b>	<b>Holt</b>  HW 23-29 in CANVAS
4/4/23 Day 15	<b>Cover Chapters 26-28</b>	<b>Holt</b>

4/6/23 Day 16	<b>Skills Day</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>Holt/Casteneda +1 faculty</b>  HW 23-28 Due*
4/18/23 Day 17	<b>Introduction to Trauma</b>  <b>Cover Chapters 29-31</b>	<b>Holt</b>  HW 29-35 in CANVAS

4/20/23 Day 18	<b>Trauma Skills Day</b>	Castro/Ochoa/Talamantes +1
4/25/23 Day 19	<b>Trauma</b> Cover Chapters 32-35	Holt [REDACTED]
4/28/23 Day 20	<b>Patient Scenarios</b>	Holt HW 29-35 DUE*
5/2/23 Day 21	<b>EMS Operations</b> Cover Chapter 36-37	Holt HW 36-41 in CANVAS
5/4/23 Day 22	<b>EMS Operations</b>  Cover Chapter 38-39	Holt
5/9/23 Day 23	<b>EMS Operations</b>  Cover Chapters 40-41	Holt
5/11/23 Day 24	<b>Mass Casualty Incident Drill</b>  Tactical EMS	Castro
5/16/23 Day 25	<b>Patient Scenarios</b>	Holt HW 36-41 Due*

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Day 26 5/18/23	<b>Review NREMT Exams</b>	Holt
5/23/23 Day 27	Practice for Skills Final Vehicle Extrication Practice	Holt/Castro
5/25/23 Day 28	Review OB Skill exam Bleeding Control Skills exam Skills	Holt +1
5/30/23 Day 29	Review Ch 1-41	Holt
6/1/23 Day 30	NREMT Skills Day 1	<b>Talamantes/Green/Holt</b>
6/6/23 Day 31	NREMT Skills Final Day 2	Ochoa /Green/Holt/Talamantes Skills Packets Due  Clinical/Field packets  10 Patient Documentation Due 5 LC Ready APP exams Due
6/8/23 Day 32	Written Final Ch. 1- 41	Holt
6/12/23 Written Final Re-take 1000	Any students who does not get an 80% on the written final will have to take it again. You will receive an "F" in the course if you do not pass the second attempt	

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