

Basic Course Information

Semester:	Spring 2022 DAY	Instructor Name:	Steven holt
Course Title & #:	EMT-105	Email:	Steve.holt@imperial.edu
CRN #:	20336	Webpage (optional):	
Classroom:	3204	Office #:	3206
Class Dates:	2/16/22 6/10/22	Office Hours:	Tuesday 1330-1630 Wednesday 1400-1430
Class Days:	Wednesdays and Fridays	Office Phone #:	Steve-760 355 6183 Tricia 760 355 6483
Class Times:	8:30 am-1:55 pm	Emergency Contact:	Trica.jones@imperial.edu
Units:	7.5	Class Format:	LIVE

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 the classroom only
- American Heart Association-CPR Card \$5 (Day 3)
- I.D. Badge- \$5.00 required
- Background check and drug screening = \$90 - \$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. 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 hospital hours will be completed at IVC during simulations.

* 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 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. 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 = 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 = 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

***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
2/16/22 Day 1	Introduction to Course Syllabus Schedule Course materials/Uniforms/Ride along Hours LIVE Class* (Live classes will be in person IVC Campus Room 3204) **All classes are 8:30am-1:55pm**	Holt Begin work on background/TB/FLU

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2/18/22 Day 2	AHA. CPR Day 1 Mandatory Day	CPR BOOK Holt/ /Green/ +1 faculty
2/23/22 Day 3	AHA CPR Day 2	CPR BOOK, Ochoa, Green, Holt AHA CPR Exam
2/25/22 Day 4	Cover Chapters 1-3 Emergency Care Textbook 14 th edition	Study Chapters 1-6 HW Ch 1-6 in CANVAS Green
3/2/22 Day 5	Cover Chapter 4-6 From Emergency Care Review Chapters 1-6	Holt
3/4/22 Day 6	Cover Chapters 7-8	Holt HW 7-10 Canvas HW 1-6 is Due
3/9/22 Day 7	Cover Chapters 9-10 Review Chapters 7-10	Study Chapters 7-10 Holt
3/11/22 Day 8	Skills day ; Airway, Lifting and Moving.	Ochoa/Green / +1 faculty Uniforms/Skills day

3/16/22 Day 9	Cover Chapters 11-14	Holt HW 11-17 in CANVAS HW 7-10 is Due*
3/18/22 Day 10	Cover Chapters 15-17 Review Chapters 11-17	Holt
3/23/22 Day 11	Cover Chapters 18-20	Holt HW 18-22 in CANVAS
3/25/22 Day 12	Cover Chapters 21-22 Review Chapters 18-22	Holt
3/30/22 Day 13	Skills Day Patient Assessment and Vitals Ambulance Simulator	Castro /Ochoa/Staff HW 11-17 Due* HW 18-22 Due*
4/1/22 Day 14	Cover Chapter 23-25 Midterm Review	Holt HW 23-29 in CANVAS
4/6/22 Day 15	Cover Chapters 26-28	Green

4/8/22 Day 16	Skills Day Live MIDTERM Ch 1-28 Pharmacology Skills Epinephrine injection Naloxone Skill Glucometer skills	Green +1 faculty HW 23-28 Due*
4/13/22 Day 17	Introduction to Trauma Cover Chapters 29-31	Holt HW 29-35 in CANVAS

4/15/22 Day 18	Trauma Skills Day	Ochoa +3 PE
4/27/22 Day 19	Trauma Cover Chapters 32-35	Holt 
4/29/22 Day 20	Patient Scenarios LIVE Class*	Green /Ochoa HW 29-35 DUE*
5/4/22 Day 21	EMS Operations Cover Chapter 36-37	Holt HW 36-41 in CANVAS
5/6/22 Day 22	EMS Operations Cover Chapter 38-39	Castro
5/11/22 Day 23	EMS Operations Cover Chapters 40-41	Green
5/13/22 Day 24	Mass Casualty Scenario Tactical EMT	Castro
5/18/22 Day 25	Patient Scenarios	Ochoa +1 faculty HW 36-41 Due*

Imperial Valley College Course Syllabus – Course Title and number

Day 26 5/20/22	Review Ch. 1-39 NREMT Practice Exams	Holt
5/25/22 Day 27	Skills Practice for Skills Final	Green/ +1
5/27/22 Day 28	Review OB Skill exam Bleeding Control Skills	Holt
6/1/22 Day 29	NREMT Application Vehicle Extrication Practice	Holt 5 LC Ready APP exams Due
6/3/22 Day 30	NREMT Skills Final Day 1	Ochoa /Green/Staff
6/8/22 Day 31	LIVE Class* NREMT Skills Final Day 2	Green/Staff Skills Packets Due 10 Patient Documentation Due
6/10/22 Day 32	LIVE Class* EMT Written Final Chapters 1-41 <ul style="list-style-type: none"> The Written Final Retake will be held Monday 12/14/21 at 1000 for anyone who failed the first attempt with less than 80% 	Holt



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