

Imperial Valley College

EMTP 210: Paramedic Didactic II

Semester: Spring 2013 -2014

Units: 9

Lecture Hrs: 144

Lab Hrs: 54

Instructor: Rick Goldsberry

Course Description: This course is the second phase of training to prepare individuals to render prehospital advanced life support within an organized EMS system based on course content that is equivalent to the U.S. Department of Transportation's National Education Standards for Paramedics 2009. This course is designed to allow progression of the paramedic student in advanced didactic and skills training. This course will cover all aspects of. Trauma, including trauma systems, mechanism of injury, hemorrhage and shock, soft tissue trauma, burns, head/facial trauma, spinal trauma, thoracic trauma, abdominal trauma, and musculoskeletal trauma. medical emergencies, including: pulmonology, cardiology, neurology, endocrinology, allergy & anaphylaxis, gastroenterology, urology & nephrology, toxicology & substance abuse, hematology, environmental emergencies, infectious disease, assault, the challenged patient, and acute interventions for chronic-care patients. The Advance Cardiovascular Life Support Course is included in this didactic section and must be successfully completed. Included in this course will be paramedic treatments and skills associated with the above core content. This course is an intense one, requiring the student's total dedication for successful completion. The student must realize that more than usual study and TBA requirements must be met throughout the program. This program is accredited by the CAAHEP.

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. Assess and treat medical problems including , medical & trauma patients as measured by using two observer evaluations during simulations. (ILO2, ILO3, ILO4)
2. Demonstration of entry level skills attainment as measured by passing a skills check-off using matrix. (ILO2, ILO3)
3. Demonstrate understanding of the concepts and use of Advanced Cardiac Life Support algorithms as measured by performance in the ACLS course stations and simulation practice evaluated by two observers. (ILO1, ILO2, ILO3, ILO4, ILO5)
4. Demonstrate professional behavior competency as measured by Global Affective Professional Behavior evaluation matrix. (ILO1, ILO2, ILO3, ILO4, ILO5)
5. Demonstrate ability to formulate a field impression on a trauma & medical patient. (ILO2, ILO3)
6. Demonstrate ability to manage field scene and communicate to other health care providers. (ILO1, ILO2, ILO3)

Course Objectives: Upon completion of this course, the student will be required to pass a written final exam with a minimum passing score of 80%, and pass all required skills, demonstrating a "competent" level.

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1. Demonstrate knowledge of, and be able to integrate pathophysiological principles and assessment findings, to formulate a field impression and implement the treatment plan for the trauma & medical patient.
2. Demonstrate knowledge of indications, equipment needed, technique used, precautions, and general principles for skills covered in the trauma & medical modules, and be competent performing the skills on a practical exam.
3. Demonstrate knowledge of indications, equipment needed, technique used, precautions, and general principles for skills covered in the special considerations module, and be competent performing the skills on a practical exam.
4. Demonstrate by performance in mega-code simulations the integration of knowledge, skill acquisition, patient management, scene management, treatment, communication and documentation for all adult patient modules.
5. Demonstrate by performance in student simulations the integration of knowledge, skill acquisition, patient management, scene management, treatment, communication and documentation for all modules.
6. Demonstrate knowledge of safe use of medications used by paramedics in the field as measured by medication quizzes (knowledge) and practice in skills labs and simulations.

Class Topics and Reading Assignments:

Complete assigned reading and formulate a 'field impression' for a given medical patient scenario. Complete assigned reading and pre-hospital simulation for a mega-code adult patient and document appropriately. Note: Plagiarism and cheating in any form will not be tolerated.

Testing is a significant portion of the grade for this course. A minimum of 3 quizzes/tests will be given every week. Additional information regarding assignments and grading will be discussed in class.

Grading Rubric for Course:

- 93-100 A
- 87-92 B
- 80-86 C
- 73-79 D
- Less than 72 is an **F**

Schedule

Week 1	Book 5, Chapt.1-8	<u>Division 4A</u> : Trauma and Trauma Systems; Blunt trauma; Penetrating Trauma; Hemorrhage and Shock; Soft Tissue trauma; Burns; Orthopedic Trauma & Thoracic Trauma
Week 2	Book 5, Chapt.9-13	Abdominal Trauma; Head, Neck, Face& Spinal Trauma; Nervous System Trauma; Environmental Trauma; Special Considerations In Trauma; Introduction to Simulations; Trauma Skills Practice;Desert Rescue (Field Trip to Imperial Sand Dune Off-Road Recreation Area

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		with BLM Rangers & Reach Air Medical)
Week 3	Book 4, Chapt 1-2 Medication Sheets	Trauma Simulations <u>Division 4A Exam Begin Division 4B: Pulmonology; Respiratory Medications; Cardiology, Part1; Cardiac Medications</u>
Week 4	Book 4, Chapt. 2 Medication Sheets	Cardiology, Part1 (continued); Cardiology, Part 2; Cardiac medications
Week 5	Book 4, Chapt. 2 Medication Sheets	Cardiology, Part 2Continued; Cardiology, Part 3; Cardiac medications
Week 6	Book 4, Chapt. 2-5 Medication Sheets	Cardiology, Part 3; Cardiac medications; Cardiac Skills Lab Practice; Neurology; Endocrinology; Immunology; Medications
Week 7	Book 4, Chapt.6-12	Gastroenterology; Nephrology& Urology; Toxicology & Substance Abuse; Hematology; Infectious Diseases & Sepsis; Psychiatric & Behavioral Disorders; Diseases of the Eyes, Ears, Nose & Throat; Medications
Week 8	Book 4, Chapter 13 AHA ACLS Manual	Non-Traumatic Musculoskeletal Disorders; Medical Skills Lab Practice; ACLS Provider Course
Week 9	Simulation Assignments	Intern Medical Simulations; Documentation: Imperial County Electronic Patient Care Record System
Week 10	Simulation Assignments	Intern Trauma and Medical Simulations; Didactic 2 Final Exam

Required Textbooks:

- Bledsoe, B (2012). *Principles & Practices Series Vol. I* (4th/e). Upper Saddle River, NJ Pearson Education. ISBN: 0132112086
- Bledsoe, B (2012). *PM Care: Principles & Practices Series Vol. II* (4th/e). Upper Saddle River, NJ Pearson Education. ISBN: 013112175
- Bledsoe, B (2012). *PM Care: Principles & Practices Series Vol. III* (4th/e). Upper Saddle River, NJ Pearson Education. ISBN: 0132112353
- Bledsoe, B (2012). *PM Care: Principles & Practices Series Vol. IV* (4th/e). Upper saddle river, NJ Pearson Education. ISBN: 0132109034
- Bledsoe, B (2012). *PM Care: Principles & Practices Series Vol. V* (4rh/e). Upper Saddle River, NJ Pearson Education. ISBN: 0132112337
- Bledsoe, B. (2012). *PM Care: Principles & Practices Series Vol. VI* (4th/e). Upper saddle river, NJ: Pearson Education,. ISBN: 0132112310
- Bledsoe, B. (2012). *PM Care: Principles & Practices Series Vol. VII* (4th/e). Upper Saddle River, NJ: Pearson Education,. ISBN: 0132112345
- Beasley, Brenda M (2009). *Understanding EKGs: A Practical Approach* (3rd/e). Upper saddle river, NJ: Pearson Education. ISBN: 0135069068

Required Manuals:

- American Heart Association. Advanced Cardiovascular Life Support Provider Manual. American Heart Association , 06-01-2010.

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- American Heart Association. Pediatric Advanced Life Support Provider Manual. American Heart Association , 06-01-2010.

Optional Textbooks:

- Bledsoe PM Care: Principles & Practices Series, 4/e, Vol. I workbook. ISBN: 0132112329
- Bledsoe PM Care: Principles & Practices Series, 4/e, Vol. II workbook. ISBN: 013211237X
- Bledsoe PM Care: Principles & Practices Series 4/e, Vol. III workbook. ISBN: 0132111071
- Bledsoe PM Care: Principles & Practices Series, 4/e, Vol. IV workbook. ISBN: 0132112841
- Bledsoe PM Care: Principles & Practices Series, 4/e Vol. V workbook. ISBN: 0132111586
- Bledsoe PM Care: Principles & Practices Series, 4/e Vol. VI workbook. ISBN: 0132111462
- Bledsoe PM Care: Principles & Practices Series, 4/e Vol. VII workbook. ISBN: 0132111330
- Aehlert ECG's Made Easy w/Pocket Reference (2nd/e). ISBN: 0323039693
- Curran/Mundy. Dimensional Analysis for MEDS, ed. W.I. Publications ISBN:1401878016
- Fremgen Medical Terminology w/ software (3rd/e). Reston. ISBN: 0131849107
- Elling The PM Review: PM Lic. Exam Delmar. ISBN: 0766831183
- NAEMT Pre-Hospital Trauma Life Support (7th/e). Mosby. ISBN: 9780323065023
- Walraven Basic Arrhythmias (5th/e). Reston. ISBN: 0135002389

Additional Informational Items:

1. Student counseling and health services are available. 355-6310
2. Disabled Student Programs and Services are available. 355-6312
3. IVC Website/Catalog lists additional Student Rights and Responsibilities