

Imperial Valley College
EMTP 225: Paramedic Clinical 1

Semester: Fall 2012

Units: 3.5

Lecture Hrs: 0

Lab Hrs: 189.00

Instructor: Rick Goldsberry

Course Description: This course provides the clinical training to prepare the paramedic student intern to render pre-hospital advanced life support within an organized EMS system based on course content equivalent to the U.S. Department of Transportation's National EMS Education Standards For Paramedics (2009). The student will use all didactic and skills training to address medical and traumatic emergencies in multiple hospital departments: intensive/critical care, emergency, obstetrics, nursery, pediatrics, and surgery. The student will observe overall administration of advanced life support care in a hospital and will assume responsibilities for advanced assessments, treatment, medication administration, use of equipment, and communication skills under the supervision of a registered nurse, physician assistant, or physician approved by the Local EMS Authority. The course is intense, requires more than usual study hours, TBA requirements, and the student's total dedication for successful completion. 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. demonstrate competencies in paramedic clinical skills at an entry level as measured by instructor observation in the clinical setting and daily skills evaluation using a grading rubric. (ILO1, ILO2, ILO3, ILO5)
2. do entry level patient assessment of live patients in a clinical setting. Evaluation using patient assessment rubric by clinical preceptors of a minimum number of patients assessed. (ILO1, ILO2, ILO3)
3. develop competence in professional behaviors using Global Affective Professional Behavior Evaluation rubric. (ILO1, ILO2, ILO3, ILO4)

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 by demonstrating a "competent" level.

1. Perform advanced medical examinations, passing outlined performance standards, in the hospital setting.
2. Recognize advanced indications for intravenous/intraosseous therapy and will implement intravenous/intraosseous infusions of selected solutions with competency as outlined in clinical evaluation performance standards in the hospital setting.
3. Demonstrate knowledge of advanced indications for defibrillation/cardioversion/pacing as outlined in clinical evaluation performance standards in the hospital setting.
4. Demonstrate ability to recognize a variety of cardiac monitor rhythms with competency in the hospital setting and outlined in clinical evaluation performance standards.
5. Demonstrate ability to operate a portable cardiac monitor/defibrillator/pacer with competency, as outlined in the clinical evaluation performance standards, in the hospital setting.

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6. Demonstrate knowledge of indications, contraindications, pharmacology and complications and safe use of all paramedic medications in the hospital setting, according to clinical evaluation performance standards.
7. Demonstrate advanced ability to properly prepare and administer selected medications in the hospital setting.
8. Demonstrate advanced ability to properly insert an endotracheal tube (oral & stomal) and extraglottic airways with competency, in the hospital setting as outlined in clinical evaluation performance standards in the hospital setting.
9. Demonstrate advanced knowledge of conditions and paramedic treatments of conditions specific to pediatric patients, as well as, perform competent paramedic care to pediatric patients, in the hospital setting as outlined in clinical evaluation performance standards in the hospital setting.
10. Demonstrate advanced knowledge of conditions and paramedic treatment of conditions specific to obstetrical and gynecological emergencies and care of the neonatal patient, in the hospital setting as outlined in clinical evaluation performance standards in the hospital setting.
11. Demonstrate advanced knowledge of conditions requiring needle thoracostomy and proper procedure for the same, in the hospital setting as outlined in clinical evaluation performance standards in the hospital setting.
12. Demonstrate advanced ability to care for medical and trauma patients with competency, in the hospital setting as outlined in clinical evaluation performance standards in the hospital setting.
13. Determine safety for self & adequacy of work environment and will take appropriate action as needed, in the hospital setting as outlined in clinical evaluation performance standards in the hospital setting.
14. Demonstrate the ability to request additional assistance and equipment when necessary and will initiate visitor control maneuvers as necessary, in the hospital setting as outlined in clinical evaluation performance standards in the hospital setting.
15. Demonstrate ability to establish and maintain good rapport with patient and family members, in the hospital setting as outlined in clinical evaluation performance standards in the hospital setting.
16. Demonstrate ability to perform complete primary assessment and intervene as necessary, according to performance standards on the clinical evaluation record.
17. Demonstrate ability to obtain relevant and accurate patient history, chief complaint, medications and allergies in a systematic manner, according to performance standards on the clinical evaluation recorded.
18. Demonstrate ability to perform an appropriate thorough physical exam based on chief complain, according to performance standards on the clinical evaluation record.
19. Demonstrate ability to obtain accurate vital signs in a timely manner, when indicated, according to performance standards on the clinical evaluation record.
20. Demonstrate ability to successfully interpret assessment information and take appropriate action, according to performance standards on the clinical evaluation record.

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21. Demonstrate ability to accurately recognize cardiac rhythms and to accurately treat patients with cardiac dysrhythmias, according to performance standards on the clinical evaluation recorded.
22. Demonstrate ability to accurately report all pertinent information in a systematic manner, according to performance standards on the clinical evaluation record.
23. Demonstrate ability to communicate information appropriately, both verbally and written, according to performance standards on the clinical evaluation record.2
24. Demonstrate ability to perform well under stress, use good judgment, and accept criticism and guidance, according to performance standards on the clinical evaluation record.
25. Demonstrate ability to correctly operate all equipment used by the paramedic according to performance standards on the clinical evaluation record.

Class Topics and Reading Assignments:

Complete assigned reading and interpret 6 dysrhythmia strips.

Complete assigned reading and present the common indications, contraindications, & complications of paramedic medications in the hospital setting. Note: Plagiarism and cheating in any form will not be tolerated.

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: The following will be completed primarily based on the cases seen in the clinical setting

Week 1-6	Advanced assessment, patient medical (physical) examinations with vital signs, interpretation of assessment data, and appropriate interventions.
Week 1-6	Advanced indications and implementation of intravenous therapy
Week 1-6	Demonstration of defibrillation, cardioversion, pacing, and indications
Week 1-6	Advanced interpretation of cardiac monitor patterns and appropriate treatment of dysrhythmias.
Week 1-6	Operation of the cardiac monitor and defibrillator
Week 1-6	Knowledge of indications, contraindications, administration, & complications of paramedic medications in the hospital setting
Week 1-6	Use of paramedic airway oxygen devices in the clinical setting
Week 1-6	Advanced pediatric evaluation and treatments in the clinical setting

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Week 1-6	Obstetrical and gynecological evaluation and treatment in the clinical setting
Week 1-6	Needle thorostomy insertion in the clinical setting
Week 1-6	Advanced recognition of and advanced performance of care for medical and trauma patients in the clinical setting
Week 1-6	Safety and adequacy of work environment, requesting assistance, and visitor control.
Week 1-6	Patient and family member relationship
Week 1-6	Obtaining patient history, chief complaint, medication & allergies
Week 1-6	Paramedic reports: verbal & written and pertinent information
Week 1-6	Performance under stress, using good judgment & accepting criticism & guidance
Week 1-6	Correct operation of all paramedic equipment

Required Textbooks: These are the same texts used during all three didactic classes.

- 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.
- 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

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- 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