

Imperial Valley College

EMTP 235: Paramedic Field 1

Semester: Fall 2012

Units: 6.5

Lecture Hrs: 0

Lab Hrs: 351.00

Instructor: Rick Goldsberry

Course Description: This course provides the first phase of field internship training to prepare the paramedic intern to render pre-hospital advanced life support (ALS) 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 progress through record keeping and increasing patient care responsibilities from observation of a team to working as a team member to functioning as a team leader in actual patient care in the pre-hospital setting. The student experience will cover all aspects of medical and traumatic emergencies, advanced patient assessments, and advanced care on an ALS vehicle under the supervision of a licensed paramedic approved by the Local EMS Authority. In addition, the **student must complete 30 advanced life support contacts** as defined in the Calif. Code of Regulations, Title 22, Div. 9. This course is an intense one, 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. thoroughly assess, provide care, communicate with patients, and relay appropriate information to Medical Control at the basestation as determined by the field preceptor during live and simulated situations and measured by field evaluation grading rubric. (ILO1, ILO2, ILO3, ILO4, ILO5)
2. successfully pass all instructor/program director evaluations of practice based on field grading evaluation rubric every 5th shift. (ILO2, ILO3, ILO4)
3. successfully pass the evaluation of competencies of professional behavior using the Global Affective Professional Behavior Evaluation rubric. (ILO1, ILO2, ILO3, ILO4, ILO5)
4. recognize indications for intravenous/intraosseous infusions and solutions. (ILO2, ILO3)
5. recognize a variety of cardiac rhythms and treatment. (ILO2, ILO3, ILO4)
6. apply cardiac monitoring equipment in the pre-hospital setting. (ILO2, ILO3)

Course Objectives: Upon satisfactory completion of the course, students will be able to:

1. perform complete, patient medical examinations with competency as outlined in the field evaluation performance standards, in the pre-hospital setting.
2. Demonstrate leadership skill by delegating, when appropriate, tasks to other qualified members of the team.
3. demonstrate ability to recognize indications for intravenous/intraosseous infusions of selected solutions and implementation of such infusions, in the pre-hospital setting, with competency as outlined in the field evaluation performance standards.
4. demonstrate knowledge of indications for and administration of defibrillation, synchronized cardioversion, and pacing in the pre-hospital setting, with competency as outlined in the field evaluation performance standards
5. demonstrate ability to recognize a variety of cardiac monitor rhythms with competency as outlined in the field evaluation performance standards, in the pre-hospital setting.

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6. demonstrate ability to operate a portable cardiac monitor/defibrillator/pacer, with competency as outlined in the field evaluation performance standards, in the pre-hospital setting.
7. demonstrate knowledge of indications, contraindications, pharmacology and complications and safe use of of all paramedic medications in the pre-hospital setting, as outlined in the field evaluation performance standards, with competency.
8. demonstrate ability to properly prepare and safely administer all paramedic medications, in the pre-hospital setting, with competency, as outlined in the field evaluation performance standards.
9. demonstrate ability to properly place an endotracheal tube (both oral & stomal), and Combitube, with competency in the pre-hospital setting, as outlined in the field evaluation performance standards.
10. demonstrate knowledge of conditions and treatments specific to obstetrical/gynecological emergencies and care of the neonatal patient, in the pre-hospital setting, with competency, as outlined in the field evaluation performance standards.
11. demonstrate knowledge of conditions and treatment of conditions specific to pediatric patients, in the pre-hospital setting, with competency, as outlined in the field evaluation performance standards.
12. demonstrate knowledge of conditions requiring needle thoracotomy and proper procedure for same, in the pre-hospital setting, with competency, as outlined in the field evaluation performance standards.
13. demonstrate ability to care for medical and trauma patients with competency, in the pre-hospital setting, as outlined in the field evaluation performance standards.

Class Topics and Reading Assignments:

The field preceptor may assign presentations to the student if they see a need for the student to improve in a specific area that the preceptor sees them as needing more study.

For example, if a student is weak in knowledge about a certain cardiac condition they might be assigned to research the topic and give a presentation to crews in the fire or ambulance station. They can work on the presentation either while they are on duty as a student or on their personal time off. The time required to complete the assignment will vary as to the subject but usually between 2 to 4 hours.. 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

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

Week 1-8	1. Patient medical examinations in the field setting.
Week 1-8	2. Demonstrate leadership skill by delegating, when appropriate, tasks to other qualified members of the team.
Week 1-8	2. Intravenous techniques in the field setting.
Week 1-8	3. Procedure for defibrillation/cardioversion/pacing in the field setting.
Week 1-8	4. Interpretation of cardiac monitor patterns in the field setting.
Week 1-8	5. Operation of the cardiac monitor/defibrillator in the field setting.
Week 1-8	6. Knowledge of indications, contraindications, pharmacology & complications of paramedic medications in the field.
Week 1-8	7. Administration of paramedic medications in the field setting
Week 1-8	8. Knowledge of indications & placement of needle cricothyroidotomy in the field setting.
Week 1-8	9. Use of paramedic airway/oxygen devices in the field setting.
Week 1-8	10. Pediatric evaluation & treatment in the field setting.
Week 1-8	11. Obstetrical & gynecological evaluation & treatment in the field setting.
Week 1-8	12. Indications & insertion of the needle thorostomy in the field setting.
Week 1-8	13. Recognition of and performance of care for medical & trauma patients in the field setting.

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
- Ochs, Melvin (0). *Recognition and Interpretation of ECG Rhythm* (3rd/e). Pearson. ISBN: -
- 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