COURSE INFORMATION FORM

DISCIPLINE: Emergency Medical Services  
COURSE TITLE: Paramedic Laboratory II

CR.HR 3.0  LECT HR.  LAB HR 6.0  CLIN/INTERN HR.  CLOCK HR.

CATALOG DESCRIPTION
This course transitions the students’ ability to implement basic and advanced pre-hospital emergency procedures into scenario-based treatments.

PREREQUISITES
HLSC 108 or BIOL 109 or BIOL 110 and BIOL 210, EMS 154, 159, 168, 176, 192 with a grade of C or better.

EXPECTED STUDENT OUTCOMES IN THE COURSE (ESO)
Upon completion of this course, the student will be able to:

1. Demonstrate history taking and assessment of the advanced medical and trauma patient.
2. Demonstrate skills and procedures necessary to manage ventilator and respiratory emergencies.
3. Employ proper techniques required to administer medications to patients.
4. Demonstrate static and dynamic electrocardiographic interpretation.
5. Demonstrate the skills required to obtain an electrocardiograph in an emergency scenario.
6. Deliver emergency electrical cardiac therapies in simulated patient care scenarios.
7. Function as a team member in medical and trauma scenarios.
8. Function as a team leader in medical and trauma simulated scenarios.

GENERAL EDUCATION OUTCOMES (ESO)
Specify which general education outcomes, if any, are substantially addressed by the course. Numbers in parentheses identify the Expected Student Outcomes linked to the specific General Education Outcome.

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<tr>
<th>Outcomes</th>
<th>ESO</th>
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Revised 7/6/16
PROGRAM-LEVEL OUTCOMES

CAREER AND TECHNICAL EDUCATION PROGRAM OUTCOMES
Specify which Career and Technical program outcomes, if any, are substantially addressed by the course by completing the “Career and Technical Education template” to show the relationship between course and program outcomes to assessment measures.

1. Effectively communicates as an EMS professional.
2. Demonstrates professional behaviors associated with a prehospital professional.
3. Demonstrates the ability to competently deliver prehospital emergency medical care.
4. Demonstrates an understanding of basic emergency medical systems.

CLASS-LEVEL ASSESSMENT MEASURES
Student accomplishment of expected student outcomes may be assessed using the following measures. (Identify which measures are used to assess which outcomes.)

1. Paramedic Psychomotor Competency Portfolio (1-7).
   Students will develop and maintain a “portfolio” that tracks progression from introduction to competency.
Individual instructors may order this outline as fits the needs of their individual courses. In addition, they may place more emphasis on some areas than on others. What is assured is that this particular list is covered in the course. Other topics may be added to a course as the instructor sees fit, and as time and interest allow. An *asterisk can be used to mark an item as optional.

I. History Taking and Physical Examination
   A. Advanced Adult Physical Assessment Techniques
   B. Advanced Pediatric Physical Assessment Techniques

II. Airway, Oxygenation and Ventilation
    A. Adult Orotracheal Intubation
    B. Pediatric Orotracheal Intubation
    C. Needle Cricothyrotomy
    D. CPAP and PEEP Application

III. Trauma
    A. Advanced Adult Trauma Physical Assessment
    B. Adult Endotracheal Intubation Trauma Patient
    C. Pleural Decompression (Needle Thoracostomy)

IV. Medical
    A. Advanced Medical and Cardiac Physical Assessment
    B. Intravenous Therapy Application
    C. Intravenous Bolus Medication Administration Application
    D. Intravenous Piggyback Infusion Application
    E. Intramuscular Medication Administration
    F. Subcutaneous Medication Administration
    G. Intranasal Medication Administration
    H. Inhaled Medication Administration

V. Cardiac
    A. Dynamic ECG Interpretation
    B. Static ECG Interpretation
    C. 12-Lead ECG Dynamic Interpretation
    D. 12-Lead ECG Static Interpretation
    E. Synchronized Cardioversion
    F. Transcutaneous Pacing
    G. Defibrillation

VI. Obstetrics
    A. Normal Delivery with Newborn Care
    B. Abnormal Delivery with Newborn Care

VII. Scenarios
    A. Team Membership in Advanced Medical Scenario
    B. Team Membership in Advanced Trauma Scenario
    C. Team Leadership in Medical Scenario
    D. Team Leadership in Trauma Scenario