

Course Description

EMS 2602L | PARAMEDIC LABORATORY II | 4 credits

Continuation of advanced life support practice. Areas of emphasis include patient assessment, trauma emergencies, obstetric emergencies, gynecological emergencies, pediatric emergencies and psychiatric emergencies. Students will be expected to master the techniques of patient assessment, intravenous techniques, endotracheal intubation, and advanced life support.

Course Competencies

The student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the patient with respiratory problems by:

- 5-1.1 Demonstrating proper use of airway and ventilation devices.
- 5-1.2 Conducting a history and patient assessment for patients with pulmonary diseases and conditions.
- 5-1.3 Demonstrating the application of a CPAP/BiPAP unit.
- 5-1.4 Demonstrating the proper use of a PEEP device.

Learning Outcomes

- 1. Communicate effectively using listening, speaking, reading, and writing skills.
- 2. Use quantitative analytical skills to evaluate and process numerical data.
- 3. Solve problems using critical and creative thinking and scientific reasoning.
- 4. Formulate strategies to locate, evaluate, and apply information.

The student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the patient with cardiovascular disease by:

- 5-2.1 Demonstrating how to set and adjust the ECG monitor settings to varying patient situations.
- 5-2.2 Demonstrating a working knowledge of various ECG systems.
- 5-2.3 Demonstrating how to record an ECG.
- 5-2.4 Performing, documenting, and communicating a cardiovascular assessment.
- 5-2.5 Setting up and applying a transcutaneous pacing system.

Learning Outcomes

- 1. Communicate effectively using listening, speaking, reading, and writing skills.

- 2. Use quantitative analytical skills to evaluate and process numerical data.
- 3. Solve problems using critical and creative thinking and scientific reasoning.
- 4. Formulate strategies to locate, evaluate, and apply information.

The student will be able to integrate pathophysiological principles and assessment findings to formulate a field impression and implement the treatment plan for the patient with neurological problems by:

5-3.1 Performing an appropriate assessment of a patient with coma or altered mental status

5-3.2 Perform a complete neurological examination as part of the comprehensive physical examination of a patient with coma or altered mental status

5-3.3 Appropriately managing a patient with coma or altered mental status, including the administration of oxygen, oral glucose, 50% dextrose and narcotic reversal agents

5-3.4 Performing an appropriate assessment of a patient with syncope

Learning Outcomes

- 1. Communicate effectively using listening, speaking, reading, and writing skills.
- 2. Use quantitative analytical skills to evaluate and process numerical data.
- 3. Solve problems using critical and creative thinking and scientific reasoning.
- 4. Formulate strategies to locate, evaluate, and apply information.