Miami Dade College

Course Description

EMS 2601L | PARAMEDIC LABORATORY I | 4 credits

A review of basic life support practice and an introduction to advanced life support practice. Areas of emphasis include the 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 and endotracheal intubation.

Course Competencies

The student will understand and value the importance of personal wellness in EMS and serve as a healthy role model for peers by:

1-1.1 Demonstrating safe methods for lifting and moving patients in emergency and non-emergency situations.

1-1.2 Demonstrating the proper procedures to take for personal protection from disease

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 safely and precisely access the venous circulation and administer medications by:

1-3.1 Using universal precautions and body substance isolation (BSI) procedures when administering a medication.

1-3.2 Demonstrating cannulation of peripheral or external jugular veins.

1-3.3 Demonstrating intraosseous needle placement and infusion.

1-3.4 Demonstrating clean technique during medication administration.

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 establish and/or maintain a patent airway, oxygenate, and ventilate a patient by:

2-1.1 Performing body substance isolation (BSI) procedures during basic airway management, advanced airway management, and ventilation.

2-1.2 Performing pulse oximetry.

2-1.3 Performing end-tidal CO_2 detection.

2-1.4 Performing peak expiratory flow testing.

2-1.5 Performing manual airway maneuvers.

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.