

EMS 131 Advanced Airway Management

COURSE DESCRIPTION:

Prerequisites: Take EMS 110

Corequisites: None

Course description. *This course is designed to provide advanced airway management techniques and is required for paramedic certification. Topics must meet current guidelines for advanced airway management in the pre-hospital setting. Upon completion, students should be able to properly utilize all airway adjuncts and pharmacology associated with airway control and maintenance.*

Course Hours per Week: Class, 1. Lab Hours per Week, 2. Semester Hours Credit, 2.

LEARNING OUTCOMES:

Upon completing requirements for this course, the student will be able to:

1. Discuss the pathophysiology of airway and respiratory compromise.
2. Identify airway/respiratory compromise in a variety of simulated patients.
3. Utilize all airway adjuncts and devices within the paramedic scope of practice.
4. Correctly administer medications to control and maintain airway management in a variety of simulated patients.
5. Work with a team of peers to manage patient care in simulated scenarios.
6. Accurately document skills and simulated patient care.

OUTLINE OF INSTRUCTION:

- I. Didactic
 - A. Airway Anatomy, Assessment, Capnography
 - B. BLS Airway Management
 - C. ALS Airway Management: Endotracheal/Nasotracheal Intubation & Capnography
 - D. ALS Airway Management: Intubation/RSI
 - E. Special Airway Considerations/Difficult/Failed Airway
 - F. Respiratory Emergency Pathologies & CPAP
 - G. Respiratory Emergency Pathology Scenarios
 - i. Skills: CPAP, Oxygen Administration, BLS Airway Management, BIADs, ETI
 - H. ETI, RSI, Crics
 - i. Direct Orotracheal Intubation, Nasotracheal Intubation, Supraglottic Airway Device, CPAP, and PEEP
 - ii. Skills: Surgical Crics
 - I. Airway Scenarios
- II. Final Exam
 - A. Airway Mock TSOPs
 - B. Airway Final Written
 - C. Airway Final Written

REQUIRED TEXTBOOK AND MATERIAL:

AAOS: Sanders' Paramedic Textbook 5th Edition