

Bossier Parish Community College
Master Syllabus

Course Prefix and Number: EMTP 202

Credit Hours: 2

Course Title: Airway Management and Ventilation

Course Prerequisites: EMTP 201

Textbooks: Bledsoe, Paramedic Care Principles and Practice Volumes 1 and 3, 5th edition

Course Description:

Establishment and maintenance of patient airway, oxygenation and ventilation, with integration of the pathophysiological principles of the respiratory system with assessment findings to formulate a field impression and implement a treatment plan for the respiratory patient. In order to register for EMTP 201 - EMTP 215 student must have been selected for the program.

Learning Outcomes:

- A. At the end of this course, the paramedic student will demonstrate the knowledge, skill and ability to ensure adequate ventilation and a patent airway in a simulated patient found in the out of hospital environment.
- B. At the end of this course, the paramedic student will demonstrate the knowledge, skill and ability to manage a patient with a respiratory complaint in the out of hospital environment.

To achieve the learning outcomes, the student will

1. Demonstrate professional behavior consistent with the BPCC Paramedic Program Code of Conduct.
2. Manage the airway of a simulated adult patient.
 - 2.1. Perform direct orotracheal intubation on a simulated patient while meeting the criteria on an approved skill sheet.
 - 2.2. Perform nasotracheal intubation on a simulated patient while meeting the criteria on an approved skill sheet.
 - 2.3. Insert a supraglottic airway into a simulated patient while meeting the criteria on an approved skill sheet.
 - 2.4. Remove a foreign body airway obstruction from a simulated patient under direct laryngoscopy while meeting the criteria on an approved skill sheet.
3. Manage a simulated patient with inadequate breathing.

- 3.1. Identify the structures of the respiratory system.
- 3.2. Explain the physiology of the respiratory system.
- 3.3. Assess a simulated patient for inadequate, minute ventilation.
- 3.4. Explain the concepts of external, internal and cellular respiration.
- 3.5. Initiate Continuous Positive Airway Pressure on a simulated patient while meeting the criteria on an approved skill sheet.
- 3.6. Perform positive pressure ventilation on a simulated patient while meeting the criteria on an approved skill sheet.
- 3.7. Explain the effect that positive pressure ventilation has on cardiac output.
- 3.8. Apply end tidal CO₂ monitoring to a patient and interpret the findings.
- 3.9. Apply supplemental oxygen to a simulated patient while meeting the criteria on an approved skill sheet.
4. Manage a simulated patient with a respiratory complaint.
 - 4.1. Demonstrate knowledge of the anatomy, physiology, pathophysiology, psychosocial impact, presentations, prognosis and management of a patient with acute upper airway infection.
 - 4.2. Demonstrate knowledge of the anatomy, physiology, pathophysiology, psychosocial impact, presentations, prognosis and management of a patient with spontaneous pneumothorax.
 - 4.3. Demonstrate knowledge of the anatomy, physiology, pathophysiology, psychosocial impact, presentations, prognosis and management of a patient with an obstructive lung disease.
 - 4.4. Demonstrate knowledge of the anatomy, physiology, pathophysiology, psychosocial impact, presentations, prognosis and management of a patient with a pulmonary infection.
 - 4.5. Demonstrate knowledge of the anatomy, physiology, pathophysiology, psychosocial impact, presentations, prognosis and management of a patient with a neoplasm.
 - 4.6. Demonstrate knowledge of the anatomy, physiology, pathophysiology, psychosocial impact, presentations, prognosis and management of a patient with pertussis.
 - 4.7. Demonstrate knowledge of the anatomy, physiology, pathophysiology, psychosocial impact, presentations, prognosis and management of a patient with cystic fibrosis.
 - 4.8. Demonstrate knowledge of the anatomy, physiology, pathophysiology, psychosocial impact, presentations, prognosis and management of a patient with epiglottitis.
 - 4.9. Demonstrate knowledge of the anatomy, physiology, pathophysiology, psychosocial impact, presentations, prognosis and management of a patient with pulmonary edema.
 - 4.10. Demonstrate knowledge of the anatomy, physiology, pathophysiology, psychosocial impact, presentations, prognosis and management of a patient with exposure to toxic gas.
 - 4.11. Demonstrate knowledge of the anatomy, physiology, pathophysiology, psychosocial impact, presentations, prognosis and management of a patient with pneumonia.
 - 4.12. Demonstrate knowledge of the anatomy, physiology, pathophysiology, psychosocial impact, presentations, prognosis and management of a patient with pulmonary embolism.

- 4.13. Demonstrate knowledge of the anatomy, physiology, pathophysiology, psychosocial impact, presentations, prognosis and management of a patient with viral respiratory infection.

Course Requirements To earn a grade of “C” or higher the student must earn 70% of the total points for the course and meet all of the following course requirements.

- Pass the final written exam.
- Complete the BPCC Paramedic Student Minimum Competencies for this course.
- Must have a C or above to continue in the Paramedic Clinical Program

Course Grading Scale:

- A- 90% or more of all possible points and meet the Course Requirements.
- B- 80% or more of all possible points and meet the Course Requirements
- C- 70% or more of all possible points and meet the Course Requirements
- D- 60% or more of all possible points and meet the Course Requirements
- F- less than 60% of all possible points or fail to meet the Course Requirements

Attendance Policy: The college attendance policy, which is available at <http://www.bpcc.edu/catalog/current/academicpolicies.html>, allows that “more restrictive attendance requirements may apply to some specialized classes such as laboratory, activity, and clinical courses because of the nature of those courses.” The attendance policy of the Paramedic program is described in the Paramedic Clinical Handbook.

Course Fees: This course is accompanied with an additional non-refundable fee for supplemental materials, laboratory supplies, certification exams and/or clinical fees.

Nondiscrimination Statement

Bossier Parish Community College does not discriminate on the basis of race, color, national origin, gender, age, religion, qualified disability, marital status, veteran's status, or sexual orientation in admission to its programs, services, or activities, in access to them, in treatment of individuals, or in any aspect of its operations. Bossier Parish Community College does not discriminate in its hiring or employment practices.

COORDINATOR FOR SECTION 504 AND ADA

Angie Cao, Student and Disability Services Specialist

Disability Services, F254, 6220 East Texas Street, Bossier City, LA 71111

318-678-6511

acao@bpcc.edu

Hours: 8:00 a.m.-4:30 p.m. Monday - Friday, excluding holidays and weekends.

Equity/Compliance Coordinator

Teri Bashara, Director of Human Resources
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Bossier City, LA 71111
Phone: 318-678-6056
Hours: 8:00 a.m.-4:30 p.m. Monday - Friday, excluding holidays and weekends.

Reviewed by J. Anderson/ May 2022