BASIC AIRWAY MANAGEMENT
Course Syllabus

Course Number: EMTB-A0154
OHLAP Credit: No
OCAS Code: None
Course Length: 16 Hours
Course based on standards set by OSDH

Career Cluster: Health Science
Career Pathway: Therapeutic Service
Career Major(s): Emergency Medical Technician - EMT

Pre-requisite(s):

Course Description: The content of the course assists the student to apply fundamental depth and breadth of knowledge of general anatomy and physiology to patient assessment and management in order to assure a patent airway, adequate mechanical ventilation and respiration for patients of all ages.

This course has 8 hours of classroom and 8 hours of lab.

Textbooks:

Course Objectives:

A. Airway Management.
EMR Material PLUS: Fundamental depth, foundational breadth
1. Airway anatomy
2. Airway assessment
3. Techniques of assuring a patent airway

B. Respiration
EMR Material PLUS: Fundamental depth, foundational breadth
1. Anatomy of the respiratory system
2. Physiology and Pathophysiology of respiration
3. Pulmonary ventilation
4. Oxygenation
5. Inadequate respiration
6. Supplemental oxygen therapy

C. Artificial Ventilation
EMR Material PLUS: Fundamental depth, foundational breadth
1. Assessment and management of adequate and inadequate ventilation
1. Artificial ventilation
2. Minute ventilation
3. Alveolar ventilation
4. Effect of artificial ventilation on cardiac output
BASIC AIRWAY MANAGEMENT

Teaching Methods: The class will primarily be taught by the lecture and demonstration method and supported by various media materials to address various learning styles. There will be question and answer sessions over material covered in lecture and media presentations. Supervised lab time is provided for students to complete required projects.

Grading Procedures: 1. Students are graded on theory and lab practice and performance.
2. Students are only eligible to test for their license with an 80% or better GPA.
3. Each course must be passed with seventy (70%) percent or better.
4. Grading scale: A=90-100%, B=80-89%, C=70-79%, D=60-69%, F=50-59%.
5. Career Major grades established during coursework are a major criteria in successfully obtaining certification.

Description of Classroom, Laboratories, and Equipment: Tulsa Technology Center campuses are owned and operated by Tulsa Technology Center School District No. 18. All programs provide students the opportunity to work with professionally certified instructors in modern, well-equipped facilities.

Available Certifications/College Credit: The student may be eligible to take state, national or industry exam after completion of the program. College credit may be issued from Oklahoma State University-Okmulgee or Tulsa Community College. See program counselor for additional information.

College Credit Eligibility: The student must maintain a grade point average of 2.0 or better.