COLLIN COLLEGE

DIVISION OF HEALTH SCIENCES

EMERGENCY MEDICAL SERVICES COURSE SYLLABUS

Course Information

Course Number: EMSP 1356

Course Title: Patient Assessment and Airway Management

Course Description: Knowledge and skills required to perform patient assessment, airway management, and artificial ventilation. Lab required.

Course Credit Hours: 3
Lecture Hours: 2
Lab Hours: 4
Contact Hours: 96

Prerequisite: Consent of Program Director

Student Learning Outcomes: Upon successful completion of the course, the student will be able to:

1. Perform a history and comprehensive physical exam on all patient populations.
   (SCANS: F1, F2, F4, F5,F6, F7, F8, F10, F11, F12, F14, F15, F16, C1, C5, C7, C8, C10, C11, C12, C13, C15)
2. Communicate with others.
   (SCANS: F1, F2, F4, F5,F6, F7, F8, F10, F11, F12, F14, F15, F16, C1, C5, C7, C8, C10, C11, C12, C13, C15)
3. Establish and/or maintain a patent airway.
   (SCANS: F1, F2, F4, F5,F6, F7, F8, F10, F11, F12, F14, F15, F16, C1, C5, C7, C8, C10, C11, C12, C13, C15)
4. Oxygenate and ventilate a patient.
   (SCANS: F1, F2, F4, F5,F6, F7, F8, F10, F11, F12, F14, F15, F16, C1, C5, C7, C8, C10, C11, C12, C13, C15)
5. Explain the primary objective of airway maintenance.
   (SCANS: F1, F2, F4, F5,F6, F7, F8, F10, F11, F12, F14, F15, F16, C1, C5, C7, C8, C10, C11, C12, C13, C15)
6. Describe the anatomy and function of the upper and lower airway structures in detail, including landmarks for direct laryngoscopy.
   (SCANS: F1, F2, F4, F5,F6, F7, F8, F10, F11, F12, F14, F15, F16, C1, C5, C7, C8, C10, C11, C12, C13, C15)
7. Explain the differences between adult and pediatric airway anatomy.
   (SCANS: F1, F2, F4, F5,F6, F7, F8, F10, F11, F12, F14, F15, F16, C1, C5, C7, C8, C10, C11, C12, C13, C15)
8. Describe the various measures of respiratory function and their average normal values for each, including the normal respiratory rates for the adult, child, and infant.
   (SCANS: F1, F2, F4, F5,F6, F7, F8, F10, F11, F12, F14, F15, F16, C1, C5, C7, C8, C10, C11, C12, C13, C15)
9. Compare the ventilation techniques used for an adult patient with those used for pediatric patients.
   (SCANS: F1, F2, F4, F5,F6, F7, F8, F10, F11, F12, F14, F15, F16, C1, C5, C7, C8, C10, C11, C12, C13, C15)
10. Identify types of oxygen cylinders, and pressure regulators, and explain safety considerations of oxygen storage and delivery, including steps for delivering oxygen from a cylinder and regulator.
    (SCANS: F1, F2, F4, F5,F6, F7, F8, F10, F11, F12, F14, F15, F16, C1, C5, C7, C8, C10, C11, C12, C13, C15)
11. Describe the indications, contraindications, advantages, disadvantages, complications, liter flow range and concentration of delivered oxygen for various supplemental oxygen deliver devices.
    (SCANS: F1, F2, F4, F5,F6, F7, F8, F10, F11, F12, F14, F15, F16, C1, C5, C7, C8, C10, C11, C12, C13, C15)
12. Describes and accurately performs a primary survey; recognizes patients with immediately life-threatening disorders of airway, breathing, or circulation; and initiates immediate life-saving interventions, including rapid extrication and transport, if appropriate within 10 minutes.
    (SCANS: F1, F2, F4, F5,F6, F7, F8, F10, F11, F12, F14, F15, F16, C1, C5, C7, C8, C10, C11, C12, C13, C15)

13. Identifies information needed and obtains information accurately from observation of the patients environment within 20 minutes, by; Performing a secondary assessment including a pertinent history and physical examination, including vital signs, based on the patient's chief complaint using relevant pathophysiology in conjunction with the presentation of normal anatomy and physiology.
    (SCANS: F1, F2, F4, F5,F6, F7, F8, F10, F11, F12, F14, F15, F16, C1, C5, C7, C8, C10, C11, C12, C13, C15)
14. Identifies the information needed and correctly interviews the patient's family, care givers and bystanders.
    (SCANS: F1, F2, F4, F5,F6, F7, F8, F10, F11, F12, F14, F15, F16, C1, C5, C7, C8, C10, C11, C12, C13, C15)

Secretary's Commission on the Acquisition of Necessary Skills (SCANS)- SCANS skills are a group of foundational skills and workplace competencies that the Secretary's Commission on the Acquisition of Necessary Skills established as vitally important for workplace success in the 21st century. In Collin's workforce programs, the SCANS skills are developed and reinforced throughout the curriculum to provide students with an opportunity to hone these skills/competencies in the context of their education. Over the course of an entire degree program, the successful student is expected to demonstrate all of the SCANS skills and competencies as part of their education. The SCANS Foundation Skills and Workplace Competencies are described at:
http://www.collin.edu/academics/programs/Workforce_SCANS_Skills_Syllabi_Code_Key.pdf

Withdrawal Policy: See the current *Collin Registration Guide* for last day to withdraw.

Collin College Academic Policies: See the current *Collin Student Handbook*

Americans with Disabilities Act Statement: Collin College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the student's responsibility to contact the ACCESS office, SCC-D140 or 972.881.5898 (V/TTD: 972.881.5950) to arrange for appropriate accommodations. See the current *Collin Student Handbook* for additional information.