COLLIN COLLEGE

DIVISION OF HEALTH SCIENCES

RESPIRATORY CARE COURSE SYLLABUS

Course Information

Course Number: RSPT 2371

Course Title: Respiratory Care Procedures III

Course Description: Provides essential knowledge of advanced mechanical ventilation concepts, critical care assessment, quality control, and basic neonatal/pediatric assessment. Advanced mechanical ventilation concepts include: methods of weaning, advanced modes, and methods of non-invasive ventilation. Critical care assessment includes: basic ECG interpretation and chest tube drainage systems. Quality control includes: maintenance of ABG analyzers. Neonatal/Pediatric assessment includes: APGAR scoring, gestational age assessment, Silverman score, vital signs, and pediatric assessment methods. Lab required. Major Requirement: AAS – Respiratory Care.

Course Credit Hours: 3
Lecture hours: 2
Lab Hours: 4

Prerequisite: RSPT 1411 with a grade of "C" or better

Corequisite: RSPT 2262

Student Learning Outcomes: Upon successful completion of this course, students will be able to:

1. Describe and interpret data relating to evidence-based mechanical ventilation guidelines.
   (SCANS: F1, F2, F3, F4, F5, F7, F8, F9, F10, F11, F12, F16, C1, C3, C5, C7, C10, C11, C12, C13, C14, C15, C16, C18, C19, C20)
2. Recommend, initiate, perform, and modify procedures for weaning patients from mechanical ventilation.
   (SCANS: F1, F3, F4, F5, F7, F8, F9, F10, F11, F12, F14, F15, F16, C1, C3, C5, C7, C8, C9, C10, C11, C12, C13, C14, C15, C18, C19, C20)
3. Describe and recommend advanced modes of mechanical ventilation.
   (SCANS: F1, F2, F4, F5, F7, F9, F10, F11, C11, C15, C18, C19)
4. Recommend, initiate, and troubleshoot chest drainage systems.
   (SCANS: F1, F2, F5, F7, F8, F10, F11, C3, C11, C12, C13, C15, C18, C19, C20)
5. Recommend, initiate, and perform 12-lead ECG's.
   (SCANS: F1, F3, F9, F10, F11, C11)
6. Interpret a rhythm strip.
   (SCANS: F1, F3, F9, F10, F11, C11)
7. Describe quality control procedures performed on common respiratory care equipment.
   (SCANS: F1, F3, F7, F8, F9, F11, C3, C11, C12, C13, C14, C15, C16, C20)
8. Describe and perform basic cardiopulmonary assessment on neonatal and pediatric patients.
   (SCANS: F1, F2, F4, F5, F9, F10, C8, C10, C11, C12, C13, C14)
9. Perform advanced assessment on critically ill adult patients.
   (SCANS: F1, F2, F3, F4, F5, F7, F8, F9, C5, C7, C10, C11, C12, C13)

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.