RSPC A278: PULMONARY CASE ASSESSMENT

Item	Value
Curriculum Committee Approval Date	03/13/2019
Top Code	121000 - Respiratory Care/Therapy
Units	1 Total Units
Hours	36 Total Hours (Lecture Hours 18; Lab Hours 18)
Total Outside of Class Hours	0
Course Credit Status	Credit: Degree Applicable (D)
Material Fee	No
Basic Skills	Not Basic Skills (N)
Repeatable	No
Grading Policy	Standard Letter (S)

Course Description

Assessment of critical pulmonary patients with emphasis on assessment techniques, critical care procedures, and management techniques as applied to case studies. Includes use of both actual and simulated patient scenarios using information gathering and decision making by the Respiratory Care Practitioner. PREREQUISITE: RSPC A276. Transfer Credit: CSU.

Course Level Student Learning Outcome(s)

1. Apply knowledge of advanced critical care to patient case scenarios to determine etiology, assessment, diagnostic techniques, therapeutic requirements and outcomes.

Course Objectives

- 1. Perform an assessment of the patient history in relation to current condition.
- 2. Assess the course of patient current condition:
- 3. Evaluate patients condition through both verbal and non-verbal assessment techniques.
- 4. Select and utilize equipment in assessment techniques.
- 5. Compile information to assess patient pulmonary, cardiac, vascular, and metabolic status.
- 6. Assess patient condition using lab data, physical examination findings, and equipment physiologic measurements.
- 7. Apply decision making to determine patient plan of care.
- 8. Analyze ethics involved with decision making.
- 9. Assess the plan of care using patient outcomes.

Lecture Content

Medical history review. Historical context of the patient Review of surgical procedures and ventilator application. Review of applied case studies Communication Evaluation of the medical record. Communication assessment: verbal vs non-verbal assessment (observation) Essential listening and attention Overview of assessment techniques Blood chemistry and ABGs Pulmonary assessment: auscultation, ventilation, compliance, oxygenation Cardiac assessment: B/P, Rate, C.O., arrhythmias Radiologic assessment Case study presentation and discussion Human patient simulator case scenarios. Decision making Ethics in decision making Application of information gathering to case studies as determined by individual case study review. Case study presentation and discussion Human patient simulator case scenarios. Determining and assessing the plan of care Critical care management: artificial airway management, ventilatory support, oxygenation Cardiac support Vascular support Evaluation of treatment outcomes Case study presentation and discussion Human patient simulator case scenarios.

Lab Content

See Course Content.

Method(s) of Instruction

- Lecture (02)
- DE Live Online Lecture (02S)
- Lab (04)
- DE Live Online Lab (04S)
- DE Online Lab (04X)
- Work Experience (20)

Instructional Techniques

1. Discussions involving all aspects of patient care scenarios involving both information gathering and decision making. 2. Student investigation of actual patient cases for presentation in both oral and written formats. 3. Human patient simulator case scenarios.

Reading Assignments

Students will demonstrate and apply written skills to patient case presentations.

Writing Assignments

Students will demonstrate and apply written skills to patient case presentations.

Out-of-class Assignments

Students will demonstrate and apply written skills to patient case presentations.

Demonstration of Critical Thinking

Oral case study presentationsWritten case study presentationsWritten quizzesHuman patient simulator case scenarios.

Required Writing, Problem Solving, Skills Demonstration

Students will demonstrate and apply written skills to patient case presentations.

Other Resources

1. Selected handout materials will be provided and distributed by the instructor.