Sinclair Community College
444 E. Third St.
Dayton, OH 45402

Master Syllabus

RET 2201 - Critical Care II

Division: Health Sciences

Department: Respiratory Care

Credit Hour Total: 4.0 **Lecture Hrs:** 3.0 **Lab Hrs:** 3.0

Prerequisite(s): RET 2101

Other Prerequisite(s): AND Restricted to Majors

Date Revised: June 2015

Course Description:

Assessment, management, and treatment of critically-ill patients to include the following categories:

Management of neonatal/pediatric mechanical ventilation, advanced modes of ventilation, non-conventional oxygenation and ventilation strategies, diagnostics, special procedures for the respiratory therapist in the critical care setting, critical conditions, nutritional considerations, transport, and home care ventilation/disease management. Three classroom, three lab hours per week.

General Education Outcomes:

- Computer Literacy Competency
- Critical Thinking/Problem Solving Competency
- Information Literacy Competency

Course Outcomes:

Management of advanced modes of ventilation and oxygenation/ventilation strategies
Identify the indications for advanced ventilatory modes and describe the management of patients with Acute Respiratory Distress Syndrome (ARDS) and atypical lung conditions.

Assessment Method: Locally developed exams
Performance Criteria:

75% score or higher

Advanced procedures for the respiratory therapist in the critical care setting
Explain the role and techniques employed by the respiratory therapist in assisting the physician with advanced procedures such as chest tube placement/management, bronchoscopy, thoracentesis, and medical imaging.

Assessment Method: Locally developed exams
Performance Criteria:

75% or higher

Transport and Home care ventilation/disease management
Describe the management of the long-term mechanically ventilated patient in the homecare setting.

Assessment Method: Locally developed exams
Performance Criteria:

75% or higher

Critical care assessment considerations
Interpret diagnostics such as capnography, hemodynamic values, hematology and electrolytes as they apply to the assessment of the care of the critically ill patient. Recognize nutritional needs of the mechanically ventilated patient.

Assessment Method: Locally developed exams
Performance Criteria:

75% or higher

Neonatal/pediatric mechanical Ventilation
Describe neonatal/pediatric assessment and discuss the initiation, management, troubleshooting, and termination of neonatal/pediatric positive airway pressure therapy and mechanical ventilation.

Assessment Method: Locally developed exams
Performance Criteria:

75% or higher

Outline:

Neonatal/Pediatric Ventilation

Non-conventional/Advanced Modes of Oxygenation / Ventilation Techniques

Critical Care Assessment and Diagnostics

Special/Advanced Procedures in the Critical Care Setting

Nutrition, Transport, Pharmacology and Home Care for the Intubated Patient