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

Master Syllabus

RET 1101 - Respiratory Care Fundamentals I

Division: Health Sciences

Department: Respiratory Care

Credit Hour Total: 5.0 **Lecture Hrs:** 4.0 **Lab Hrs:** 3.0

Prerequisite(s): RET 1100

Other Prerequisite(s): AND Restricted to Majors

Date Revised: June 2015

Course Description:

Respiratory care theory, physical assessment, equipment and skill development of procedures required for clinical practice, including vital signs, isolation precautions, body mechanics, respiratory vitals, airway management, oxygen therapy, humidity and aerosol therapy, medicinal therapy and fluidics. Four classroom, three lab hours per week.

General Education Outcomes:

- Values/Citizenship/Community
- Computer Literacy
- Information Literacy
- Written Communication
- Critical Thinking/Problem Solving

Course Outcomes:

Respiratory theory, mechanics and patient assessment
Discuss respiratory care theory as pertinent to isolation techniques, body mechanics, patient asssessment, respiratory vitals and chest radiographs.

Assessment Method: Locally developed exams
Performance Criteria: 75% score or higher

Airway care
Describe and demonstrate appropriate airway management including intubation/extubation, suctioning, tracheostomy care and resuscitation bags.

Assessment Method: Locally developed exams
Performance Criteria: 75% score or higher

Medicinal gas, oxygen and humidity, and medicinal drug therapy
List the indications, contraindications, physiological effects and hazards of medicinal gas therapy, oxygen and humidity therapy and medicinal drug therapy and discuss applications of each device by patient condition/disease.

Assessment Method: Locally developed exams
Performance Criteria: 75% score or higher

Outline:

Respiratory Care Theory, Isolation Precautions and Body Mechanics
Physical Assessment, Respiratory Vitals and Chest Radiographs
Airway Care
Medical Gas and Oxygen Therapy
Humidity and Medicinal Therapy
Fluidics