

## 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):** Restricted to Majors

**Date Revised:** June 2015

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#### 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, bronchoscopy and charting. Four classroom, three lab hours per week.

#### General Education Outcomes:

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

#### Course Outcomes:

##### Respiratory theory, mechanics and patient assessment

Discuss respiratory care theory as pertinent to isolation techniques, body mechanics, patient assessment, 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