

NOVA COLLEGE-WIDE COURSE CONTENT SUMMARY RTH 131 – RESPIRATORY CARE THEORY AND PROCEDURES I (4 CR.)

Course Description

Presents theory of equipment and procedures and related concepts used for patients requiring general, acute and critical cardiopulmonary care. Lecture 3 hours. Laboratory 3 hours. Total 6 hours per week.

General Course Purpose

This course is offered in the second semester of the respiratory therapy program. This is the second part of a two-part respiratory care theory and procedures class.

Course Prerequisites/Corequisites

Prerequisite: Successful completion of the first semester of RTH courses.

Course Objectives

Upon completing the course, the student will be able to:

- Demonstrate use of and state the indications for artificial airways (Lab)
- State indications and goals of mechanical ventilation.
- Explain the design and operation of commonly used adult mechanical ventilators.
- Perform set up of adult mechanical ventilators and adjust to given medical parameters
- Describe the management strategies, hazards/complications and withdrawal of mechanical ventilators for the critically ill adult

Major Topics to be Included

- Artificial airways
- Adult mechanical ventilators