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

Competence in basic instrumentation and its application to respiratory therapeutics is required. The course prerequisite is successful completion of the first semester of RTH courses or permission of the Assistant Dean of Respiratory Therapy.

Course Objectives

Upon completion of this 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