

STANDARD COURSE OUTLINE

RESP 2214 **Equipment and Procedures**

PREREQUISITE: Admission into the Respiratory Therapy (RT) Program.

COURSE DESCRIPTION: This is a laboratory course that provides an in-depth study of the application of respiratory therapy equipment. Emphasis is placed on cleaning and maintaining respiratory therapy equipment and on the procedures to correctly and safely operate the equipment.

CREDIT HOURS: 4 credit hours / may transfer to other respiratory therapy programs.

TARGET AUDIENCE: Students admitted to the RT Program.

INSTRUCTIONAL MATERIALS: Egan's Fundamentals of Respiratory Care
Wilkins, 8th Edition, 2003, Mosby

Laboratory Exercises for Competency in Respiratory Care
Butler, 1st Edition, 1998, F.A. Davis

COURSE OBJECTIVES:

By the end of this course the student will

1. Deliver/perform the therapies listed under **TOPICAL OUTLINE** in a safe manner in the presence of peers as well as the instructor.
2. Interact on a professional level with the other members of the health care team.
3. Explain the rationale, indications and contraindications of the therapy and procedures listed under **TOPICAL OUTLINE**.
4. Explain each procedure in a way that patients can understand the procedure and its purpose.

TOPICAL OUTLINE:

This course includes (but is not limited to) the following topics:

- Module 1: Infection Control/Sterilization and Disinfection
Module 2: Introduction to Physical Assessment
 A. Vital Signs and Respirations
 B. Blood Pressure Measurements
 C. Auscultation
Module 3: Oxygen Supply Systems/Analysis/Administration Devices

- Module 4: Humidity Devices/Aerosol Generators/Aerosol Therapy and Medication Administration
- Module 5: Incentive Spirometry and Bronchial Hygiene Techniques
- Module 6: Airway Management/Ambu Bags
- Module 7: Arterial Blood Gas Puncture and Analysis