LABETTE COMMUNITY COLLEGE BRIEF SYLLABUS

SPECIAL NOTE:
This brief syllabus is not intended to be a legal contract. A full syllabus will be distributed to students at the first class session.

TEXT AND SUPPLEMENTARY MATERIALS USED IN THE COURSE (if any):

Please check with the LCC bookstore http://www.labette.edu/bookstore for the required texts for this class.

COURSE NUMBER: RESP 213
COURSE TITLE: RESPIRATORY CARE TOPICS AND PROCEDURES
SEMESTER CREDIT HOUR: 3
DEPARTMENT: Respiratory Therapy
DIVISION: Health Science
PREREQUISITES: FRC I, II, & III, Cardiopulmonary Anatomy & Physiology, Pharmacology, Respiratory Diseases

COURSE DESCRIPTION:
This is a course designed to prepare the student for specialized monitoring used by respiratory therapist and includes: invasive hemodynamic monitoring, intracranial pressure monitoring, bronchoscopies, thoracentesis, chest tubes, sleep studies, pulmonary rehabilitation, chest x-rays, and respiratory gas monitoring.

COURSE OUTCOMES AND COMPETENCIES:
Students who successfully complete this course will be able to:

1. Demonstrate understanding of the significance of the results of hemodynamic monitoring and their application to patient management.
   - Discuss the function of all components of fluid filled monitoring system.
   - Describe the technique for the measurement of central venous pressure and the significance of its results.
   - Describe the techniques used for the measurement of arterial blood pressure and discuss its importance in patient management.
   - Describe the function of all lumens found on a balloon tipped flow directed catheter.
   - Describe the significance of all measurements that can be obtained from a balloon tipped flow directed catheter.
   - Describe the techniques that are used in the measurement of cardiac output and the significance of the results.
2. Demonstrate an understanding of the clinical application of intracranial pressure monitoring.
   - Describe methods used in intracranial pressure monitoring.
   - Discuss the significance of the results.
   - Identify conditions which are associated with an increased intracranial pressure.

3. Demonstrate an understanding of the clinical application of bronchoscopy.
   - Identify indications for bronchoscopy.
   - Explain differences between the applications of fiberoptic and rigid bronchoscopy.

4. Comprehend an understanding of the function of chest drainage systems.
   - Explain the function of all components of a three-bottle chest tube system.
   - Express ability to identify proper function.
   - Express ability to correct malfunctions of the chest tube system.

5. Demonstrate an ability to clinically apply information gathered from a chest xray.
   - Identify endotracheal tube, central line, pulmonary artery line, and nasogastric tube placement.
   - Name sources of artifact in the CXR.
   - Label normal components of the CXR.
   - Locate abnormalities in a CXR and their causes.

6. Demonstrate an understanding of the clinical application of respiratory gas monitoring.
   - Define methods of obtaining respiratory gas measurements.
   - Identify errors that can occur with obtaining respiratory gas measurements.
   - Given information, evaluate the appropriateness of a respiratory care plan and recommend modification as necessary.