

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.

<u>COURSE NUMBER:</u>	RESP 160
<u>COURSE TITLE:</u>	FUNDAMENTALS OF RESPIRATORY CARE II LAB
<u>SEMESTER CREDIT HOURS:</u>	2
<u>DEPARTMENT:</u>	Respiratory Therapy
<u>DIVISION:</u>	Health Science
<u>PREQUISITE:</u>	Fundamentals of Respiratory I, Fundamentals of Respiratory Care Lab I, Cardiopulmonary A & P, Respiratory Care Pharmacology
<u>REVISION DATE:</u>	12/2012

COURSE DESCRIPTION:

This course is designed to familiarize the student with Respiratory Therapy procedures and practices in the hospital setting. Patient care experiences will include cardiopulmonary resuscitation, arterial blood gas puncture, bedside pulmonary function testing, artificial airway placement, and electrocardiography.

COURSE OUTCOMES AND COMPETENCIES:

Students who successfully complete this course will be able to:

1. Students who successfully complete this course will be able to make decisions about and provide appropriate emergency care for the adult patient.

- Demonstrate ability to perform cardiopulmonary resuscitation for the newborn, infant, pediatric, and adult patient correctly and appropriately.
- Discuss the role of hypoxemia and hypercarbia on cardiopulmonary collapse.
- Demonstrate ability to support the cardiopulmonary system of the unstable patient.
- Demonstrate ability to secure and maintain a patent airway in the adult patient.
- Demonstrate ability to recommend appropriate pharmacology support to the patient in cardiopulmonary collapse.

- Recommend settings for defibrillation and cardioversion of the adult patient.
- Demonstrate ability to appropriately use the different types of resuscitation devices.

2. Students who successfully complete this course will demonstrate competency in obtaining an arterial blood gas.

- Assemble correct supplies for, and use correct technique for the following puncture sites:
 - radial
 - brachial
 - femoral

3. Students who successfully complete this course will demonstrate knowledge of use of capnometer.

- Identify candidates for continuous capnography.
- Correctly assemble capnometer.
- Discuss capnography wave patterns

4. Students who successfully complete this course will perform effective bedside spirometry

- Identify clinical conditions that benefit from bedside spirometry
- Recognize any contraindications or hazards of bedside spirometry.
- Demonstrate ability to effectively coach patients to perform effective bedside spirometry.
- Assess test results for obstructive, restrictive, or normal lung function.

5. Students who successfully complete this course will demonstrate proficiency in artificial airway placement.

- Demonstrate proper technique for orotracheal intubation using both the miller and macintosh laryngoscope blades.
- Recognize all possible complications intubation
- Demonstrate ability to suction the airway using proper technique. Take appropriate action if a complication develops.
- Demonstrate ability to extubate using proper technique and recognize possible complications of the procedure.

6. Students who successfully complete this course will demonstrate adeptness in artificial airway care.

- Assess patient's proper airway placement by listening to breath sounds, using correct auscultation technique.
- Perform physical assessment
- Effectively monitor cuff pressure
- Demonstrate knowledge of tracheostomy care and cleaning.