

## 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.

<b><u>COURSE NUMBER:</u></b>	RESP 158
<b><u>COURSE TITLE:</u></b>	FUNDAMENTALS OF RESPIRATORY CARE 1 LAB
<b><u>SEMESTER CREDIT HOURS:</u></b>	1
<b><u>DEPARTMENT:</u></b>	Respiratory Therapy
<b><u>DIVISION:</u></b>	Health Science
<b><u>PREQUISITE:</u></b>	Admission to the Program

### **COURSE DESCRIPTION:**

This course is designed to familiarize the student with Respiratory Therapy procedures and practices in the hospital setting. Patient care experience will include oxygen therapy, medical gas cylinder use, humidity and aerosol therapy, incentive spirometry, chest physiotherapy, bronchial hygiene, isolation techniques, cardiopulmonary resuscitation, and patient assessment.

### **COURSE OUTCOMES AND COMPETENCIES:**

**Students who successfully complete this course will be able to:**

1. Demonstrate effective cardiopulmonary resuscitation in adults, children and infants.
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- Demonstrate effective cardiopulmonary resuscitation in adult, child, and infant manikins in a laboratory setting
- Be certified in CPR by the American Heart Association at BCLS Level Healthcare Provider

2. Assemble oxygen and humidity therapy equipment and apply appropriately to patients and document appropriately.

- Nasal cannula.
- Face tent
- Venturi mask
- Simple oxygen mask.
- Partial/nonrebreather mask.
- "T"-tube setup.
- Tracheostomy mask
- Nebulizer setup.
- Bubble humidifier.

3. Properly assemble and instruct patients in incentive spirometry therapy.

- Identify candidates for incentive spirometry.
- Assemble correctly incentive spirometry equipment.
- Instruct patient in technique, hazards, and goals for incentive spirometry.

4. Perform effective chest physiotherapy in all positions on appropriate patients and document appropriately.

- Identify clinical conditions that might benefit from chest physiotherapy (CPT).
- Recognize any contraindications or hazards for CPT.
- Assess patient to determine specific techniques to be performed.
- Perform and document physiotherapy techniques.

5. Perform aerosol therapy and document appropriately.

- Identify clinical conditions that might benefit from aerosol therapy.
- Recognize any contraindication or hazards for aerosol therapy.
- Assess patient to determine specific techniques to be performed.
- Select ordered drug and calculate drug dosage if necessary.
- Perform and document aerosol treatment.

6. Assess patients through interview and physical exam.

- Assess patient's breath sounds, using correct auscultation technique.
- Perform physical assessment
- Demonstrate knowledge of chest percussion and palpation.
- Demonstrate effective communication and interpersonal skills among diverse groups.