



# Broward Community College

## Course Outline

STATUS: A

COMMON COURSE NUMBER: NUR 2942C

COURSE TITLE: Respiratory Nursing: Chest

CREDIT HOURS: 2

### CONTACT HOURS BREAKDOWN:

Lecture/Discussion 16.0

Lab 4

Other 32

Contact Hours/Week           

### CATALOG COURSE DESCRIPTION:

This course will demonstrate safe and effective technique in the performance of I.P.P.B. therapy as well as CPT treatments, including manual and mechanical techniques. It will also teach the student to demonstrate proficiency in adjunct techniques of CPT.

Prerequisite: None

Corequisite: None

General Education Requirements - Associate of Arts Degree, meets Area(s): none

General Education Requirements - Associate in Science Degree, meets Area(s): none

### UNIT TITLES:

1. Understanding I.P.P.B. Therapy
2. Understanding Chest Physiotherapy

LAST REVIEW Academic Year 2006-07

*Interim Revision Dates:*

NEXT REVIEW Academic Year 2011-12

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## I. Course Overview:

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## II. Units

### Unit 1. UNDERSTANDING I.P.P.B. THERAPY

#### Specific Learning Outcomes:

Upon successful completion of this unit, the students should be able to:

- 1.1 State the physiologic effects of positive pressure breathing.
- 1.2 Demonstrate a working knowledge of the relationship between pressure, flow rate and delivered volume in I.P.P.B. therapy.
- 1.3 Demonstrate a working knowledge of the effects of airway resistance and lung compliance on delivered volume in I.P.P.B. therapy.
- 1.4 Identify the clinical indications for performing I.P.P.B. treatments.
- 1.5 Identify the goals and objectives of I.P.P.B. therapy.
- 1.6 Describe ways to determine if I.P.P.B. is therapeutic.
- 1.7 Identify absolute/relative contraindications and hazards of I.P.P.B.
- 1.8 Demonstrate proper positioning of the patient.
- 1.9 Demonstrate proper technique in administering I.P.P.B. treatments via mouthpiece, lip seal and face mask.
- 1.10 Properly assess the patient before, during and immediately after performing therapy.

## Unit 2 UNDERSTANDING CHEST PHYSIOTHERAPY

### Specific Learning Outcomes:

Upon successful completion of this unit, the students should to

- 2.1 Correctly identify the components of the tracheobronchial tree.
- 2.2 Identify the names and locations of all lung lobes and segments.
- 2.3 Identify the clinical indications for performing CPT treatments.
- 2.4 Identify the goals and objectives of performing CPT treatments.
- 2.5 Describe ways to determine if CPT is therapeutic.
- 2.6 Identify contraindications and hazards of CPT.
- 2.7 Demonstrate proper positioning of the patient for treating the affected lung segments.
- 2.8 Demonstrate manual and mechanical percussion and vibration of the chest wall.
- 2.9 Demonstrate proper technique for performing segmental breathing, pursed lip breathing, directed cough, flutter valve and PEP mask therapy, identifying the benefits and limitations of each.
- 2.10 Properly assess the patient before, during and immediately after performing therapy.