RESP-140: PREPARATION FOR CLINICAL

Effective Term
Fall 2012

BOT Approval
04/08/2010

SECTION A - Course Data Elements

CB04 Credit Status
Credit - Degree Applicable

Discipline

Minimum Qualifications	And/Or
Respiratory Technologies (Any Degree and Professional Experience)	

Subject Code
RESP - Respiratory Care

Course Number
140

Department
Respiratory Therapy (RESP)

Division
Health Occupations (HEOC)

Full Course Title
Preparation for Clinical

Short Title
Preparation for Clinical

CB03 TOP Code
1210.00 - *Respiratory Care/Therapy

CB08 Basic Skills Status
NBS - Not Basic Skills

CB09 SAM Code
C - Clearly Occupational

Rationale
This course was revised in 2009.

SECTION B - Course Description

Catalog Course Description
This course prepares the student for entrance into the clinical portion of the Respiratory Care program. The course will cover patient and practitioner safety, infection control, and legal and ethical issues.

SECTION C - Conditions on Enrollment

Open Entry/Open Exit
No

Repeatability
Not Repeatable

Grading Options
Letter Grade Only

Allow Audit
Yes

Requisites

Corequisite(s)
Concurrent enrollment in RESP-120 and RESP-130.

Requisite Justification

Requisite Description
Course in a Sequence

Subject
RESP
Course #
120

Level of Scrutiny
Content Review

Upon entering this course, students should be able to:
Skills taught in RESP 120 needed for success in RESP 140:
1. Describe the gas exchange unit of the lung.
2. Discuss the indications and hazards of oxygen therapy.
3. Explain how oxygen and carbon dioxide are transported in the blood.
4. Describe how pulmonary diseases affect lung volumes and capacities.
5. Perform and interpret basic pulmonary function tests.
6. Analyze arterial blood gas values.

Requisite Description
Course in a Sequence

Subject
RESP
Course #
130

Level of Scrutiny
Content Review

Upon entering this course, students should be able to:
Skills taught in RESP 130 needed for success in RESP 140:
1. Apply proper techniques in basic patient assessment.
2. Differentiate various breath sounds heard in lung diseases.
3. Describe the proper storage, transport, and maintenance of medical gas systems.
4. Demonstrate the proper delivery of therapeutic gases.
5. Discuss the indications and hazards associated with oxygen administration.
6. Apply humidity and aerosol therapy using acceptable techniques.
7. Explain the use of the various airway clearance devices.
8. Demonstrate the proper technique for drawing arterial blood.

SECTION D - Course Standards

Is this course variable unit?
No

Units
1.50

Activity Hours
54.00

Outside of Class Hours
27

Total Contact Hours
54

Total Student Hours
81

Distance Education Approval

Is this course offered through Distance Education?
No

SECTION E - Course Content

Student Learning Outcomes

	Upon satisfactory completion of the course, students will be able to:
1.	Describe and discuss regulatory, legal, ethical, and safety policies and procedures for the clinical environment.
2.	Describe effective communication for clinical settings.

Course Objectives

	Upon satisfactory completion of the course, students will be able to:
1.	Discuss proper body mechanics when moving patients.
2.	Describe infection control techniques used in hospitals.
3.	Identify critical principles of communication with the health care team and patients.
4.	Critically analyze journal articles.
5.	Discuss the pathophysiology and treatment of common lung diseases.
6.	Describe the pathophysiology and treatment of tuberculosis and AID
7.	Explain the use of commonly used respiratory medications.
8.	Describe the legal foundations that govern respiratory care in the clinical setting.
9.	Discuss the artificial airway devices used in respiratory care.
10.	Demonstrate basic concepts in mechanical ventilation.

Course Content

1. Body Mechanics
2. Infection Control
3. Workplace Communication
4. Critical Thinking and Analysis of Journal Articles
5. Introduction to Common Lung Diseases
6. Etiology, Pathophysiology, and Treatment for Tuberculosis
7. Etiology, Pathophysiology, and Treatment for AIDS
8. Introduction to Respiratory Pharmacology
9. Legal Issues
10. Ethical Issues
11. Introduction to Airway Management
12. Introduction to Mechanical Ventilation

Methods of Instruction

Methods of Instruction

Types	Examples of learning activities
Lecture	Instructor relays information on a given subject.
Observation and Demonstration	Instructor displays respiratory therapy equipment and techniques.
Activity	Students collaborate to solve simulated patient problems.
Lab	Students perform respiratory therapy techniques.

Methods of Evaluation

Methods of Evaluation

Types	Examples of classroom assessments
Exams/Tests	Completion of computer programs, internet research assignments, and other homework assignments, Laboratory activities, and Quizzes. Final Exam - Final exam, to include both multiple choice and essay questions. Quizzes, midterm, and final exams constitute 90% of final grade. Homework and Lab assignments constitute 10% of final grade. Mid Term - Midterm exam, to include both multiple choice and essay questions. Example of a midterm question: What steroid is in the drug Advair?
Quizzes	Example of a quiz question: Describe emphysema, to include etiology and treatment.

Assignments

Reading Assignments

The following are examples of a reading assignments:

Unit 1 - Critical Thinking and Assessment pages 76-89

Unit 2 - Health Care Systems pages 125-136

Unit 4 - Pharmacology pages 310-322

Writing Assignments

Two examples of a writing assignment are:

1. Research and write about a case where Evidence-Based Medicine was used studying a disease treatment outcome.

2. Do a 2-page report on the Aging patient.

SECTION F - Textbooks and Instructional Materials

Material Type

Textbook

Author

Wilkins, Robert

Title

Egan's Fundamentals of Respiratory Care

Edition/Version

9th

Publisher

Mosby Elsevier

Year

2009

Material Type
Other required materials/supplies

Description
Reading assignments will be given in the textbooks required for the co-requisite courses: RESP 120 and 130.

Proposed General Education/Transfer Agreement

Do you wish to propose this course for a Local General Education Area?
No

Do you wish to propose this course for a CSU General Education Area?
No

Do you wish to propose this course for a UC Transferable Course Agreement (UC-TCA)?
No

Course Codes (Admin Only)

ASSIST Update
No

CB00 State ID
CCC000119789

CB10 Cooperative Work Experience Status
N - Is Not Part of a Cooperative Work Experience Education Program

CB11 Course Classification Status
Y - Credit Course

CB13 Special Class Status
N - The Course is Not an Approved Special Class

CB23 Funding Agency Category
Y - Not Applicable (Funding Not Used)

CB24 Program Course Status
Program Applicable

Allow Pass/No Pass
No

Only Pass/No Pass
No