

# RESP-150: RESPIRATORY CARE THEORY II

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**Effective Term**

Fall 2026

**CC Approval**

12/05/2025

**AS Approval**

12/11/2025

**BOT Approval**

12/18/2025

**SECTION A - Course Data Elements**
**Send Workflow to Initiator**

No

**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**

150

**Department**

Respiratory Therapy

**Division**

Health Occupations (HEOC)

**Full Course Title**

Respiratory Care Theory II

**Short Title**

Respiratory Care Theory II

**CB03 TOP Code**

1210.00 - \*Respiratory Care/Therapy

**CIP Code**

51.0908

**CB08 Basic Skills Status**

NBS - Not Basic Skills

**CB09 SAM Code**

C - Clearly Occupational

**Rationale**

Course reviewed and updated.

## **SECTION B - Course Description**

### **Catalog Course Description**

Students will receive instruction in the treatment of patients with cardiopulmonary disease. The course will cover advanced techniques in patient assessment, pulmonary diseases, and beginning concepts of the coronary system.

## **SECTION C - Conditions on Enrollment**

### **Open Entry/Open Exit**

No

### **Repeatability**

Not Repeatable

### **Grading Options**

Letter Grade Only

### **Allow Audit**

Yes

## **Requisites**

### **Prerequisite(s)**

Completion of RESP-130 with a minimum grade of C.

## **Requisite Justification**

### **Requisite Description**

Course Not 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 necessary for success in RESP 150:

1. Apply proper techniques in basic patient assessment.
2. Differentiate various breath sounds heard in lung diseases.

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## **SECTION D - Course Standards**

### **Is this course variable unit?**

No

### **Units**

3.00

### **Lecture Hours**

54.00

### **Outside of Class Hours**

108

### **Total Contact Hours**

54

**Total Student Hours**

162

**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.	Identify and describe cardiopulmonary pathophysiology.

**Course Objectives**

Upon satisfactory completion of the course, students will be able to:	
1.	Describe advanced assessment techniques in the cardiopulmonary patient.
2.	Compare and contrast the different procedures used in diagnosing pulmonary disorders.
3.	Perform basic chest x-ray interpretation.
4.	Analyze arterial blood gas results.
5.	Discuss the pathophysiology of pulmonary diseases.
6.	Evaluate the signs and symptoms seen in the various respiratory diseases.
7.	Describe the treatment modalities used for patients with cardiopulmonary disease.
8.	Give oral and written presentations on various cardiopulmonary disorders.

**Course Content**

1. Advanced Cardiopulmonary Assessment
2. Diagnostic Procedures
3. Basic Chest X-ray Interpretation
4. Advanced Arterial Blood Gas Interpretation
5. Cardiopulmonary Pathophysiology
6. Restrictive vs. Obstructive Diseases
7. Signs and Symptoms of Cardiopulmonary Diseases
8. Treatment Modalities Used in Respiratory Care

**Methods of Instruction****Methods of Instruction**

Types	Examples of learning activities
Activity	Group activities - Students collaborate to solve simulated patient problems.
Lecture	Instructor relays information on a given subject.
Projects	Student presentations - Students present patient cases given specific diagnoses.

**Methods of Evaluation****Methods of Evaluation**

Types	Examples of classroom assessments
Exams/Tests	Final Exam.  Mid Term - Examples of questions used for Midterm exams: 1. Describe the epidemiology and risk factors associated with asthma, including the following types of asthma: Extrinsic asthma - Intrinsic asthma. 2. List the anatomic alterations of the lungs associated with asthma.
Quizzes	Examples of questions used for Quizzes is as follows: 1. Differentiate the classifications of asthma severity. 2. Describe the general management of asthma?

## Homework

Examples of Homework assignments are as follows:

1. Define key terms and complete self-assessment questions at the end of the chapter and on Evolve.
2. Describe the role of the following organizations in the management of asthma: National Asthma Education and Prevention Program (NAEPP), Global Initiative for Asthma (GINA).

## Assignments

### Reading Assignments

Selected readings from textbook, journals or internet sites.

Examples:

1. Read pages 114-130 in Clinical Manifestations and Assessment of Respiratory Disease covering the introduction to chest x-ray interpretation.
2. Read pages 202-215 in Clinical Manifestations and Assessment of Respiratory Disease describing the differences between obstructive and restrictive lung diseases.

### Writing Assignments

1. In groups of four, select one of the given patient problems and develop a care plan for that patient.
2. Select one of the approved cardiopulmonary diseases and present a presentation to the class on that topic.

### Outside-of-Class Assignments

Students will write research paper on one cardiopulmonary disease and present the information to the class.

## SECTION F - Textbooks and Instructional Materials

### Material Type

Textbook

### Author

Des Jardins & Burton

### Title

Clinical Manifestations and Assessment of Respiratory Disease

### Edition/Version

9th

### Publisher

Elsevier

### Year

2023

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## SECTION G - Diversity, Equity and Inclusivity

**How does your course and/or course outline of record reflect strategies for accommodating and engaging diverse student populations, advancing equitable outcomes, and fostering inclusion for all students?**

The course outline of record reflects inclusive practices by detailing flexible instruction, diverse course materials, equitable assessments, and supportive policies that ensure accessibility and engagement for all students.

### Course Codes (Admin Only)

#### CB00 State ID

CCC000296308

#### 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