

# RESPIRATORY THERAPY (RSPT)

---

## RSPT 1137

### Basic Dysrhythmia Interpretation

CRT HRS:1 LEC HRS:1 LAB HRS:0 OTH HRS:0

A comprehensive study of the electrical conduction system of the heart, electrophysiology, and characteristics of the common atrial, junctional, and ventricular dysrhythmias including atrioventricular blocks.

*Prerequisite:* Completion of all previous semester courses with a minimum grade of "C".

## RSPT 1141

### Respiratory Home Care/Rehabilitation

CRT HRS:1 LEC HRS:1 LAB HRS:0 OTH HRS:0

This course is a study of respiratory home care/rehabilitation equipment, procedures, and patient education. It emphasizes treatment of patients in home care and alternate settings.

*Prerequisite:* RSPT 1261 with a grade of "B" or better and completion of all previous semester courses with a minimum grade of "C".

## RSPT 1201

### Introduction to Respiratory Care

CRT HRS:2 LEC HRS:2 LAB HRS:0 OTH HRS:0

This course is an introduction to the field of respiratory care.

*Prerequisite:* None.

## RSPT 1260

### Clinical I

CRT HRS:2 LEC HRS:0 LAB HRS:0 OTH HRS:12

This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

*Prerequisite:* Completion of all previous semester courses with a minimum grade of "C".

## RSPT 1261

### Clinical II

CRT HRS:2 LEC HRS:0 LAB HRS:0 OTH HRS:12

This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

*Prerequisite:* RSPT 1260 with a grade "B" or better and completion of all previous semester courses with a minimum of grade of "C".

## RSPT 1325

### Respiratory Care Sciences

CRT HRS:3 LEC HRS:2 LAB HRS:3 OTH HRS:0

Physics, mathematics, and chemistry as related to respiratory care.

*Prerequisite:* Completion of all previous semester courses with a minimum grade of "C".

## RSPT 1410

### Respiratory Care Procedures I

CRT HRS:4 LEC HRS:3 LAB HRS:3 OTH HRS:0

This course covers essential knowledge of the equipment and techniques used in the treatment of cardiopulmonary disease.

*Prerequisite:* Completion of all previous semester courses with a minimum of grade of "C".

## RSPT 1411

### Respiratory Care Procedures II

CRT HRS:4 LEC HRS:3 LAB HRS:3 OTH HRS:0

This course develops essential knowledge and skills of airway care and mechanical ventilation.

*Prerequisite:* Completion of all previous semester courses with a minimum grade of "C".

## RSPT 2139

### Advanced Cardiac Life Support

CRT HRS:1 LEC HRS:0 LAB HRS:3 OTH HRS:0

A comprehensive course designed to develop the cognitive and psychomotor skills necessary for resuscitation of the adult. Includes strategies for managing and stabilizing the cardiopulmonary arrested patient. May include certification.

*Prerequisite:* RSPT 1261 with a grade of "B" or better and completion of all previous semester courses with a minimum grade of "C".

## RSPT 2217

### Respiratory Care Pharmacology

CRT HRS:2 LEC HRS:2 LAB HRS:1 OTH HRS:0

A study of pharmacological principles/practices of drugs which affect the cardiopulmonary systems. Emphasis on classification, route of administration, dosages/calculations, and physiological interactions.

*Prerequisite:* Completion of all previous semester courses with a minimum grade of "C".

## RSPT 2231

### Simulations in Respiratory Care

CRT HRS:2 LEC HRS:1 LAB HRS:4 OTH HRS:0

Theory and history of clinical simulation examinations. Includes construction types, scoring, and mechanics of taking the computerized simulation examination.

*Prerequisite:* Completion of all previous Respiratory Therapy courses with a minimum grade of "C" and completion of RSPT 2362 with a grade of "B" or better.

## RSPT 2310

### Cardiopulmonary Disease

CRT HRS:3 LEC HRS:3 LAB HRS:0 OTH HRS:0

A discussion of etiology, pathogenesis, pathology, diagnosis, history, prognosis, manifestations, treatment, and detection of cardiopulmonary diseases.

*Prerequisite:* Completion of all previous semester courses with a minimum grade of "C".

## RSPT 2314

### Mechanical Ventilation

CRT HRS:3 LEC HRS:2 LAB HRS:4 OTH HRS:0

In-depth coverage and application of therapeutic procedures to achieve adequate, spontaneous, and artificial ventilation. Includes the study of mechanical ventilation with emphasis on ventilator classification, methods, principles, and operational characteristics. Includes indications, complications, and physiologic effects/principles of mechanical ventilation.

*Prerequisite:* RSPT 1261 with a grade of "B" or better and completion of all previous semester courses with a minimum grade of "C".

## RSPT 2319

### Mechanical Ventilation for the Neonatal/Pediatric Patient

CRT HRS:3 LEC HRS:2 LAB HRS:4 OTH HRS:0

This course covers an In-depth coverage and application of therapeutic procedures to achieve adequate spontaneous and artificial mechanical ventilation of the neonatal and pediatric patient. Includes indications, complications, and physiological effects of ventilatory support.

*Prerequisite:* RSPT 2362 with a grade of "B" or better and completion of all previous semester courses with a minimum grade of "C".

## RSPT 2325

### Cardiopulmonary Diagnostics

CRT HRS:3 LEC HRS:2 LAB HRS:2 OTH HRS:0

This course is a study of physical, radiological, hemodynamic, laboratory, nutritional, and cardiopulmonary diagnostic assessments.

*Prerequisite:* Completion of all previous semester courses with a minimum grade of "C".

**RSPT 2353****Neonatal/Pediatric Cardiopulmonary Care**

CRT HRS:3 LEC HRS:2 LAB HRS:4 OTH HRS:0

A study of cardiopulmonary care covering advanced concepts of acute care, monitoring, and management as applied to the neonatal and pediatric patient.

*Prerequisite: RSPT 1261 with a grade of "B" or better and completion of all previous semester courses with a minimum grade of "C".*

**RSPT 2362****Clinical III**

CRT HRS:3 LEC HRS:0 LAB HRS:0 OTH HRS:18

This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

*Prerequisites: RSPT 1261 with a grade of "B" or better and completion of all previous semester courses with a minimum grade of "C".*

**RSPT 2363****Clinical IV**

CRT HRS:3 LEC HRS:0 LAB HRS:0 OTH HRS:18

This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

*Prerequisites: RSPT 2362 with a grade of "B" or better and completion of all previous semester courses with a minimum grade of "C".*