

RESPIRATORY CARE (RSPT)

RSPT 1101 Introduction to Respiratory Care 1 Credit (1 Lec, 0 Lab)

This course is an introduction to the field of respiratory care.
Course Type: Technical

RSPT 1113 Respiratory Care Pharmacology 1 Credit (1 Lec, 0 Lab)

This course is a study of basic pharmacological principles/practices of cardiopulmonary drugs. Emphasis on classification, routes of administration, dosages/calculations, and physiological interaction.
Prerequisite(s): RSPT 1311,

Prerequisite with concurrency: RSPT 2360

Course Type: Technical

RSPT 1225 Respiratory Care Sciences 2 Credits (2 Lec, 0 Lab)

This course is a study of physics, mathematics, and chemistry as related to respiratory care.
Prerequisite(s): MATH 1314 or MATH 1332 or MATH 1342

Course Type: Technical

RSPT 1310 Respiratory Care Procedures I 3 Credits (2 Lec, 4 Lab)

This course provides essential knowledge of the equipment and techniques used in the treatment of cardiopulmonary disease.
Course Type: Technical

RSPT 1311 Respiratory Care Procedures II 3 Credits (2 Lec, 4 Lab)

This course develops essential knowledge and skills of airway care and mechanical ventilation.
Prerequisite(s): RSPT 1225, RSPT 1340, RSPT 1310

Prerequisite with concurrency: RSPT 1360

Course Type: Technical

RSPT 1340 Advanced Cardiopulmonary Anatomy and Physiology 3 Credits (3 Lec, 1 Lab)

This course provides an advanced presentation of anatomy and physiology of the cardiovascular and pulmonary system.
Prerequisite(s): BIOL 2301, BIOL 2101, BIOL 2302, BIOL 2102

Course Type: Technical

RSPT 1360 Respiratory Care Clinical 3 Credits (0 Lec, 15 Lab)

This course offers 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(s): HPRS 1106, RSPT 1225, RSPT 1310, RSPT 1340,

Prerequisite with concurrency: RSPT 1311, RSPT 2372

Course Type: Technical

RSPT 2217 Respiratory Care Pharmacology 2 Credits (2 Lec, 0 Lab)

This course is a study of drugs that affect cardiopulmonary systems, with an emphasis on classification, route of administration, dosages/calculations, and physiologic interactions.
Course Type: Technical

RSPT 2230 Respiratory Care Examination Preparation 2 Credits (2 Lec, 1 Lab)

This course is a comprehensive review to optimize respiratory care credentialing exam success.
Prerequisite(s): RSPT 2355

Prerequisite with concurrency: RSPT 2231, RSPT 2362

Course Type: Technical

RSPT 2231 Simulations in Respiratory Care 2 Credits (1 Lec, 3 Lab)

This course covers the theory of clinical simulation examinations. Includes construction types, scoring, and mechanics of taking the computerized simulation examination.
Prerequisite(s): RSPT 2355, RSPT 2361, RSPT 2353

Prerequisite with concurrency: RSPT 2230, RSPT 2362

Course Type: Technical

RSPT 2310 Cardiopulmonary Disease 3 Credits (3 Lec, 1 Lab)

This course covers etiology, pathogenesis, pathology, diagnosis, history, prognosis, manifestations, treatment, and detection of cardiopulmonary diseases.
Prerequisite(s): RSPT 1340

Course Type: Technical

RSPT 2325 Cardiopulmonary Diagnostics 3 Credits (3 Lec, 0 Lab)

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

RSPT 2353 Neonatal/Pediatric Cardiopulmonary Care 3 Credits (3 Lec, 1 Lab)

This course is a study of neonatal and pediatric cardiopulmonary care.
Prerequisite(s): RSPT 2371

Prerequisite with concurrency: RSPT 2361

Course Type: Technical

RSPT 2355 Critical Care Monitoring 3 Credits (2 Lec, 3 Lab)

This course covers advanced monitoring techniques used to access a patient in the critical care setting.
Prerequisite(s): RSPT 2310

Prerequisite with concurrency: RSPT 2353

Course Type: Technical

RSPT 2360 Respiratory Care Clinical 3 Credits (0 Lec, 15 Lab)

This course offers 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(s): RSPT 1360 and RSPT 2372,

Prerequisite with concurrency: RSPT 2414

Course Type: Technical

RSPT 2361 Respiratory Care Clinical 3 Credits (0 Lec, 18 Lab)

This course offers 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(s): RSPT 2360, RSPT 2414,

Prerequisite with concurrency: RSPT 2353

Course Type: Technical

RSPT 2362 Respiratory Care Clinical 3 Credits (0 Lec, 18 Lab)

This course offers 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(s): RSPT 2361, RSPT 2355,

Prerequisite with concurrency: RSPT 2230, RSPT 2231

Course Type: Technical

RSPT 2372 Introduction to Mechanical Ventilation 3 Credits (2 Lec, 3 Lab)

This course is an introductory study of mechanical ventilation. It emphasizes the basic modes of ventilation and the use of arterial blood gas interpretation to facilitate ventilator setting changes.

Prerequisite(s): RSPT 1310,

Prerequisite with concurrency: RSPT 1311 and RSPT 1360

Course Type: Technical

RSPT 2414 Mechanical Ventilation 4 Credits (3 Lec, 3 Lab)

The continuation of the study of mechanical ventilation with emphasis on ventilator classification, methods, principles, and operational characteristics.

Prerequisite(s): RSPT 2372 or RSPT 2314,

Prerequisite with concurrency: RSPT 2360

Course Type: Technical