

Cardiopulmonary Anatomy and Physiology II - RT204

Section: RT204 001252S Main Campus

Credit Hours: 3.00

Course Description: An in-depth study of cardiopulmonary integration and the physiological control of ventilation and circulation. Emphasis is placed on the neural and chemical regulation of breathing, ventilation–perfusion relationships, functional cardiovascular anatomy, cardiac electrophysiology, and abnormalities affecting cardiac function. Concepts and calculations related to cardiac output, vascular resistance, and hemodynamic measurements will be examined. Students will apply mathematical and physiological principles to analyze cardiopulmonary function and interpret clinical data relevant to respiratory care practice.

WHEN Start Date: 01/12/2026 End Date: 05/11/2026

Days:

M

9:00 AM - 12:00 PM

Campus: Main Campus

Building: Peel Allied Health Center

Room: PC125

INSTRUCTOR

JERRY HOUCHIN

BOOKS

Title: RESPIRATORY CARE CALCULATIONS 4 Edition

Author: CHANG

Required: Yes

Title: RESPIRATORY CARE SCIENCE 2024 Edition

Author: HOUCHIN, JERRY

Required: Yes

Title: EGAN'S FUNDAMENTALS OF RESPIRATORY CARE 13TH Edition

Author: STROLLER

Required: Yes