

# RPT 223: Acid Base Regulation and ABG Analysis

This course provides the student with lecture and audiovisual presentation of material essential to the understanding of acid/base physiology and arterial blood gas interpretation. Emphasis is placed upon Arterial Blood Gas (ABG) sampling technique, quality assurance, basic chemistry as related to acid/base balance, evaluation of oxygen transport, and the role of the respiratory and renal systems in maintenance of homeostasis. Upon completion, the student should be able to demonstrate appropriate psychomotor skills and cognitive abilities for the fundamental concepts of acid/base balance and regulation of homeostasis by the respiratory and renal systems.

Credit Hours: 2

Lecture: 1

Lab: 1 (2 contact hours:1 credit hour)

Clinical/Practicum: 0

**Credits:** 2

**Prerequisites:**

RPT 210

RPT 211

RPT 212

RPT 213

RPT 214

**Co-Requisites:**

None