

# BASIG 1515 : Integrated Basic Sciences VI

BASIG 1515 provides an overview of the structure and function of the Cardiovascular and Respiratory Systems. Module 11: Cardiovascular System begins with a discussion of the anatomy, histology, and embryological development of the heart and circulatory system. Other topics included are cardiac muscle function, electrophysiology of cardiac muscle, cardiac cycle, and cardiac performance. Control of cardiovascular function integrates discussions of hemodynamics, regional circulation, and arterial blood pressure. Module 12: Respiratory System discusses the anatomy and histology of the respiratory system, mechanics of breathing, gas transport, and regulation of respiration. Relevant topics in microbiology, pathophysiology, and pathology are described in both modules.

**College**

Arizona College of Optometry

**Credits** 4.5