CVRI1110 - Cardiovascular Anatomy and Physiology

Credits:	3 (3/0/0)
Description:	This course provides the cardiovascular technology student an in-depth review of normal anatomy and physiology of the cardiac, cardiovascular, peripheral vascular and neurovascular systems, and renal regulation of blood pressure. The pathophysiology of these systems is examined in order to understand and apply treatment modalities in the cardiovascular catheterization laboratory.
Prerequisites:	
Corequisites:	• BIOL2262 • BIOL2263 • CVRI1100
Pre/Corequisites*:	
Competencies:	1. Explain normal cardiovascular anatomy, normal cardiovascular physiology and pathophysiological processes. 2. Explain normal peripheral vascular anatomy, normal peripheral physiology and pathophysiological processes. 3. Explain normal neurovascular anatomy, normal neurovascular physiology and pathophysiological processes. 4. Explain flow dynamics and the cardiac cycle. 5. Explain the cardiac action potential phases and electropathophysiology. 6. Explain Wigger's diagram. 7. Explain normal coronary artery system anatomy, normal coronary artery system physiology and pathophysiological processes. 8. Explain how the autonomic nervous system affects the cardiovascular system. 9. Explain renal system regulation of blood pressure.
MnTC goal areas:	None

**Can be taking as a Prerequisite or Corequisite.*