CVRI2250 - Radiation Safety

Credits:	2 (1/1/0)
Description:	Students in this course will demonstrate safety related to the use of radiation during catheterization procedures. Students will learn x-ray tube components, x-ray production, characteristics and physics. Students will learn to position patients, perform quality assurance, produce images and differentiate between digital and flat screen imaging. Consideration will be given to radiation biology and radiation protection.
Prerequisites:	• CVRI1120 • CVRI1130
Corequisites:	• CVRI2130 • CVRI2141 • CVRI2145
Pre/Corequisites*:	
Competencies:	1. Identify x-ray tube components. 2. Differentiate imaging systems. 3. Describe characteristics of quality images. 4. Demonstrate principles of radiation safety for patient and catheterization lab personnel. 5. Explain effects of radiation on cellular biology. 6. Analyze images for accuracy and quality.
MnTC goal areas:	None

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

© 2026 Minnesota State Community and Technical College.
We reserve the right to periodically update information without notice.
The information in this publication should not be regarded as contractual in nature.