

# **RADT 1075 : Radiographic Imaging**

The content of this course introduces factors that govern and influence the production of the radiographic image using digital radiographic equipment found in diagnostic radiology. Emphasis will be placed on knowledge and techniques required to produce high-quality diagnostic radiographic images. Topics include: Image quality (radiographic IR exposure; radiographic contrast; spatial resolution; distortion; grids; image receptors and holders; processing considerations; image acquisition ; image analysis; image artifacts; and guidelines for selecting exposure factors and evaluating images within a digital system. Laboratory experiences will demonstrate applications of theoretical principles and concepts.

**Credits** 4

**Prerequisites**

MATH 1101

RADT 1010

Program Instructor Approval.