

Master Syllabus

RAT 1101 - Introduction to Radiologic Technology

Division: Health Sciences

Department: Radiologic Technology

Credit Hour Total: 2.0

Lecture Hrs: 2.0

Date Revised: February 2014

Course Description:

Introduction to the field of radiologic technology, including history, basic radiation production and safety concepts, patient communication, clinical education, ethical, legal and professional issues.

General Education Outcomes:

- ▣ Written Communication Competency
- ▣ Values/Citizenship/Community Competency
- ▣ Critical Thinking/Problem Solving Competency

Course Outcomes:

Professional, Ethical and Legal Issues

Define and discuss professionalism, basic ethical concepts and legal issues in healthcare and the field of radiologic technology.

Assessment Method: Locally developed exams

Performance Criteria: 71% or higher

History of Radiologic Technology

Describe the discovery of x-rays and identify the historical developments in radiology and their impact on modern day technology.

Assessment Method: Locally developed exams

Performance Criteria: 71% or higher

X-Ray Production and Radiation Safety

Describe and identify concepts and equipment related to x-ray production and radiation safety.

Assessment Method: Locally developed exams

Performance Criteria: 71% or higher

Clinical Environment and Communication

Describe the clinical environment and educational aspects of radiologic technology and the importance of proper communication with patients, hospital personnel, and physicians.

Assessment Method: Locally developed exams

Performance Criteria: 71% or higher

Outline:

History of x-rays
X-ray/image production, equipment, and safety
Clinical education in radiologic technology
Patient communication
Ethical issues and behaviors
Legal issues and behaviors
Professionalism and societies