

## 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

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#### 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