

## Master Syllabus

### RAT 2415 - Radiographic Pathology

**Division:** Health Sciences

**Department:** Radiologic Technology

**Credit Hour Total:** 3.0

**Lecture Hrs:** 3.0

**Other Prerequisite(s):** Restricted to Majors

**Date Revised:** February 2014

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### Course Description:

Introductory concepts of disease processes and etiologies with emphasis on radiographic appearances and exposure factor compensation.

### General Education Outcomes:

- Critical Thinking/Problem Solving Competency

### Course Outcomes:

#### Radiographic practice

Explain the importance of understanding disease processes and their impact on radiographic procedures.

**Assessment Method:** Behavioral observations

**Performance Criteria:** Active classroom discussion

**Assessment Method:** Locally developed exams

**Performance Criteria:** 71% or higher achieved

#### Exposure factor selection

Compensate exposure factors for various disease processes to maximize diagnostic image quality.

**Assessment Method:** Locally developed exams

**Performance Criteria:** 71% or higher achieved

#### Radiographic appearance of pathologies

Identify radiographic appearances of various diseases.

**Assessment Method:** Locally developed exams

**Performance Criteria:** 71% or higher achieved

#### Disease processes

Describe various disease processes and associated etiologies.

**Assessment Method:** Locally developed exams

**Performance Criteria:** 71% or higher achieved

### Outline:

Introduction to disease processes

Inflammatory response

Common diseases and image considerations with: respiratory, cardiovascular, skeletal, gastrointestinal, urinary, endocrine, and central nervous system.