

## Master Syllabus

### RAT 1121 - Radiographic Procedures I

**Division:** Health Sciences

**Department:** Radiologic Technology

**Credit Hour Total:** 4.0

**Lecture Hrs:** 3.0 **Lab Hrs:** 3.0

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

**Date Revised:** November 2014

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#### Course Description:

Radiographic anatomy, equipment manipulation, positioning and image analysis of the thorax, abdomen and appendicular skeleton. Three classroom, three lab hours per week.

#### General Education Outcomes:

- Critical Thinking/Problem Solving Competency

#### Course Outcomes:

##### **Radiographic anatomy**

Identify frequently radiographed bones, their defining features and soft tissue structures of the abdomen.

**Assessment Method:** Locally developed exams

**Performance Criteria:**

71% or higher achieved

##### **Positioning skills**

Describe common positions used to safely and correctly radiograph anatomy of the thorax, appendicular skeleton and abdomen.

**Assessment Method:** Locally developed exams

**Performance Criteria:**

71% or higher achieved

##### **Image analysis**

Identify radiographic images for quality with regard to positioning, equipment manipulation and image production in accordance with safe radiation practices.

**Assessment Method:** Locally developed exams

**Performance Criteria:**

71% or higher achieved

**Assessment Method:** Locally developed exams

**Performance Criteria:**

71% or higher achieved

#### Outline:

Bony anatomy of the thorax and appendicular skeleton

Anatomy of the abdomen

Positioning of the patient for proper, safe imaging of routine projections of the thorax, appendicular skeleton and abdomen

Analysis of the final radiographic image to enforce safe radiation practices adhering to the principles of ALARA