Sinclair Community College
444 E. Third St.
Dayton, OH 45402

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

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

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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