

## Master Syllabus

### RAT 2649 - Mammography Practicum

**Division:** Health Sciences

**Department:** Radiologic Technology

**Credit Hour Total:** 1.0 - 4.0      **Practicum:** 7.0

**Other Prerequisite(s):** Approval of Department

**Date Revised:** February 2014

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### Course Description:

A variable credit clinical education course that provides hands-on experience performing mammographic procedures and quality assurance testing at an affiliate hospital and/or imaging center. Seven practicum hours per week for each semester credit hour.

### General Education Outcomes:

- Oral Communication
- Critical Thinking/Problem Solving
- Values/Citizenship/Community

### Course Outcomes:

#### Patient care, ethics, and professionalism

Utilize effective interpersonal communication, professional and ethical conduct in all aspects of mammographic procedures including patient care and education.

**Assessment Method:** Behavioral observations

**Performance Criteria:** 80% or higher achieved

**Assessment Method:** Locally developed exams

**Performance Criteria:** 80% or higher achieved

#### Breast anatomy/physiology, radiographic positioning, and pathological considerations

Identify breast anatomy and physiology and pathological conditions of the breast and surrounding tissues, and apply radiographic positioning techniques for routine and non-routine mammographic procedures.

**Assessment Method:** Behavioral observations

**Performance Criteria:** 80% or higher achieved

**Assessment Method:** Locally developed exams

**Performance Criteria:** 80% or higher achieved

#### Equipment and safety considerations

Apply standard technical considerations with mammographic equipment operation, patient assessment and safety.

**Assessment Method:** Behavioral observations

**Performance Criteria:** 80% or higher achieved

**Assessment Method:** Locally developed exams

**Performance Criteria:** 80% or higher achieved

#### Image analysis

Analyze finished mammographic images for quality and demonstrate correcting measures for unacceptable images.

**Assessment Method:** Behavioral observations

**Performance Criteria:** 80% or higher achieved

**Assessment Method:** Locally developed exams

**Performance Criteria:** 80% or higher achieved

#### Quality control and quality assurance

Identify and perform quality control, quality assurance measures in compliance with federal and/or state mammography regulations/guidelines.

**Assessment Method:** Behavioral observations

**Performance Criteria:** 80% or higher achieved

**Assessment Method:** Locally developed exams

**Performance Criteria:** 80% or higher achieved

### Outline:

Anatomy and physiology  
Positioning of the breast and image quality/analysis  
Technical and equipment considerations  
Patient Care/education and communication  
Pathological considerations and interventions  
Quality control and quality assurance, MQSA/ACR requirements