

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

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 Competency
- Critical Thinking/Problem Solving Competency
- Values/Citizenship/Community Competency

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