

Washtenaw Community College Comprehensive Report

RAD 273 Mammography Clinical Education Effective Term: Fall 2014

Course Cover

Division: Math, Science and Health

Department: Allied Health

Discipline: Radiography

Course Number: 273

Org Number: 15600

Full Course Title: Mammography Clinical Education

Transcript Title: Mammography Clinical Education

Is Consultation with other department(s) required: No

Publish in the Following: College Catalog , Time Schedule , Web Page

Reason for Submission: Course Change

Change Information:

Course description

Credit hours

Total Contact Hours

Rationale: More clinical hours are needed to complete required competencies.

Proposed Start Semester: Fall 2014

Course Description: In this course, the certified radiologic technologist receives a structured and supervised clinical experience. Students will apply knowledge and skills learned in the classroom to the performance of mammographic examinations. Students are expected to gain practical experience and demonstrate competency in the area of patient positioning, breast examination, equipment operation, quality control, and image critique. Students will be assigned to a health care facility for 15 weeks, 24 hours/week, under the supervision of a certified mammographer.

Course Credit Hours

Variable hours: No

Credits: 3

Lecture Hours: Instructor: 0 Student: 0

Lab: Instructor: 0 Student: 0

Clinical: Instructor: 360 Student: 360

Total Contact Hours: Instructor: 360 Student: 360

Repeatable for Credit: NO

Grading Methods: Letter Grades

Audit

Are lectures, labs, or clinicals offered as separate sections?: NO (same sections)

College-Level Reading and Writing

College-level Reading & Writing

College-Level Math

Requisites

Enrollment Restrictions

Admission to the Mammography program
and

Prerequisite

RAD 270 minimum grade "C"; may enroll concurrently and

Corequisite

RAD 271

General Education

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Perform screening and/or diagnostic mammographic examinations on patients according to established standards in the clinical setting.

Assessment 1

Assessment Tool: Mammography Radiographic Procedure Evaluation

Assessment Date: Fall 2015

Assessment Cycle: Every Three Years

Course section(s)/other population: All courses/All sections.

Number students to be assessed: All students (maximum enrollment for the Mammography Program is 12 students)

How the assessment will be scored: Analysis of question 12 of the student's Mammography Procedure Evaluation regarding patient positioning.

Standard of success to be used for this assessment: 95% of the students will receive a "yes" (pass) rating on question 12 regarding patient positioning.

Who will score and analyze the data: Faculty.

2. Utilize mammography equipment and ancillary devices to produce high-quality images.

Assessment 1

Assessment Tool: Mammography Radiographic Procedure Evaluation

Assessment Date: Fall 2015

Assessment Cycle: Every Three Years

Course section(s)/other population: All courses/All sections.

Number students to be assessed: All students (maximum enrollment for the Mammography Program is 12 students)

How the assessment will be scored: Analysis of question 9 on the student's Mammography Procedure Evaluation regarding selection of appropriate mammography equipment.

Standard of success to be used for this assessment: 95% of the students will receive a "yes" (pass) rating on question 9 regarding the selection of appropriate mammography equipment.

Who will score and analyze the data: Faculty.

3. Perform and evaluate quality control (QC) protocols on mammography equipment and ancillary devices.

Assessment 1

Assessment Tool: Student's Quality Control (QC) Test log.

Assessment Date: Fall 2015

Assessment Cycle: Every Three Years

Course section(s)/other population: All courses/All sections.

Number students to be assessed: All students (maximum enrollment for the Mammography Program is 12 students)

How the assessment will be scored: Analysis of the student's Quality Control (QC) tests logs.

Standard of success to be used for this assessment: 100% of the students will submit documentation of the completion of all required Quality Control (QC) tests.

Who will score and analyze the data: Faculty.

4. Critique the radiographic quality of a mammogram.

Assessment 1

Assessment Tool: Mammography Radiographic Procedure Evaluation

Assessment Date: Fall 2015

Assessment Cycle: Every Three Years

Course section(s)/other population: All courses/All sections.

Number students to be assessed: All students (maximum enrollment for the Mammography Program is 12 students)

How the assessment will be scored: Analysis of question 13 on the student's Mammography Procedure Evaluation regarding evaluation of the image.

Standard of success to be used for this assessment: 95% of the students will score a "yes" (pass) rating on question 13 on the Mammography Procedure Evaluation regarding the evaluation of the image.

Who will score and analyze the data: Faculty.

Course Objectives

1. Demonstrate effective communication techniques for appropriate interactions with patients and the healthcare team.
Matched Outcomes
2. Solicit and record patient clinical history relevant to the mammographic examination.
Matched Outcomes
3. Position the patient to produce optimum mammograms.
Matched Outcomes
4. Select equipment appropriate to the patient and the examination to be performed.
Matched Outcomes
5. Select appropriate exposure factors for each position/projection.
Matched Outcomes
6. Perform quality control tests on mammography equipment and ancillary devices.
Matched Outcomes
7. Evaluate image quality of mammograms relative to the technical factors used, the anatomy of the breast, and pathologic conditions.
Matched Outcomes
8. Evaluate a mammogram to verify that it contains the proper patient demographics.
Matched Outcomes
9. Demonstrate professionalism in the workplace.
Matched Outcomes
10. Review patient cases with a radiologist for positioning and pathological conditions.
Matched Outcomes

New Resources for Course

Course Textbooks/Resources

Textbooks
Manuals
Periodicals
Software

Equipment/Facilities

Off-Campus Sites

Reviewer

Action

Date

Faculty Preparer:

Connie Foster

Faculty Preparer

Feb 03, 2014

Department Chair/Area Director:

Connie Foster

Recommend Approval

Feb 04, 2014

Dean:

Martha Showalter

Recommend Approval

Feb 07, 2014

Vice President for Instruction:

Bill Abernethy

Approve

Mar 27, 2014