

Washtenaw Community College Comprehensive Report

RAD 112 Radiographic Positioning I Effective Term: Spring/Summer 2013

Course Cover

Division: Math, Science and Health

Department: Allied Health

Discipline: Radiography

Course Number: 112

Org Number: 15600

Full Course Title: Radiographic Positioning I

Transcript Title: Radiography Positioning I

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:

Consultation with all departments affected by this course is required.

Credit hours

Total Contact Hours

Rationale: Change course credit hours from 3 credits to 2 credits to meet the new defined minimums for credit hours. RAD 112 has 15 lecture hours and 45 lab hours.

Proposed Start Semester: Spring/Summer 2013

Course Description: This course presents the theories and practices that are utilized in the clinical setting to produce diagnostic radiographs of the chest, abdomen and upper extremity. Radiographic terminology, patient preparation, patient positioning, proper manipulation of radiographic equipment, radiation safety practices, image evaluation, professional standards and medical ethics will be discussed and practiced in the laboratory setting.

Course Credit Hours

Variable hours: Yes

Credits: 0 – 2

Lecture Hours: Instructor: 15 **Student:** 15

Lab: Instructor: 45 **Student:** 45

Clinical: Instructor: 0 **Student:** 0

Total Contact Hours: Instructor: 0 to 60 **Student:** 0 to 60

Repeatable for Credit: NO

Grading Methods: Letter Grades

Audit

Are lectures, labs, or clinicals offered as separate sections?: YES (separate sections)

College-Level Reading and Writing

College-level Reading & Writing

College-Level Math

Requisites

Prerequisite

RAD 101 minimum grade "C-"

and

Prerequisite

RAD 110 minimum grade "C-"; may enroll concurrently

General Education

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Perform radiographic procedures of the chest, abdomen and upper extremity in accordance with current standards.

Assessment 1

Assessment Tool: Departmental RAD 112 practical exam

Assessment Date: Fall 2011

Assessment Cycle: Every Three Years

Course section(s)/other population: all

Number students to be assessed: ~35

How the assessment will be scored: A rubric for RAD 112 practical exam will be used.

Standard of success to be used for this assessment: 90% of the students will achieve a 3 (good) or 4 (excellent) rating

Who will score and analyze the data: A Radiography Program faculty member.

2. Critically analyze radiographs of the chest, abdomen and upper extremity for patient positioning, exposure technique and image processing errors.

Assessment 1

Assessment Tool: Departmental RAD 112 practical exam

Assessment Date: Fall 2011

Assessment Cycle: Every Three Years

Course section(s)/other population: all

Number students to be assessed: ~35

How the assessment will be scored: A rubric for RAD 112 practical exam will be used.

Standard of success to be used for this assessment: 90% of the students will achieve a 3 (good) or 4 (excellent) rating

Who will score and analyze the data: A Radiography Program faculty member.

3. Apply the principles of ALARA when obtaining diagnostic radiographs of the chest, abdomen and upper extremity.

Assessment 1

Assessment Tool: Departmental RAD 112 practical exam

Assessment Date: Fall 2011

Assessment Cycle: Every Three Years

Course section(s)/other population: all

Number students to be assessed: ~35

How the assessment will be scored: A rubric for RAD 112 practical exam will be used.

Standard of success to be used for this assessment: 90% of the students will achieve a 3 (good) or 4 (excellent) rating

Who will score and analyze the data: A Radiography Program faculty member.

4. Communicate clearly, effectively and in a therapeutic manner when producing diagnostic radiographs of the chest, abdomen and upper extremity.

Assessment 1

Assessment Tool: Departmental RAD 112 practical exam

Assessment Date: Fall 2011

Assessment Cycle: Every Three Years

Course section(s)/other population: all

Number students to be assessed: ~35

How the assessment will be scored: A rubric for RAD 112 practical exam will be used.

Standard of success to be used for this assessment: 90% of the students will achieve a 3 (good) or 4 (excellent) rating

Who will score and analyze the data: A Radiography Program faculty member.

Course Objectives

1. Apply radiographic theories and current positioning techniques to obtain optimal radiographs of the chest, abdomen and upper extremity.

Matched Outcomes

2. Critique radiographs for patient positioning, exposure technique and image processing errors.

Matched Outcomes

3. Identify normal anatomy and anatomical variants of the chest, abdomen and upper extremity.

Matched Outcomes

4. Practice radiation safety in accordance with currently accepted guidelines.

Matched Outcomes

5. Communicate the protocols for obtaining optimal radiographs of the chest, abdomen and upper extremity

Matched Outcomes

New Resources for Course

Course Textbooks/Resources

Textbooks

Martensen, Kathy. *Radiographic Image Analysis*, 2nd ed. Elsevier, 2006

Bontrager, Kenneth. *Textbook of Radiographic Positioning & Related Anatomy*, 7th ed. Elsevier, 2009

Bontrager, Kenneth. *Radiographic Positioning & Related Anatomy Workbook & Laboratory Manual*, 7th ed. Elsevier, 2005

Manuals

Periodicals

Software

Equipment/Facilities

Level III classroom

Testing Center

Reviewer

Action

Date

Faculty Preparer:

Connie Foster

Faculty Preparer

Oct 15, 2012

Department Chair/Area Director:

Connie Foster

Recommend Approval

Oct 16, 2012

Dean:

Martha Showalter

Recommend Approval

Nov 01, 2012

Vice President for Instruction:

Stuart Blacklaw

Approve

Nov 14, 2012