

Washtenaw Community College Comprehensive Report

RAD 125 Radiographic Procedures and Related Anatomy Effective Term: Spring/Summer 2022

Course Cover

College: Health Sciences

Division: Health Sciences

Department: Allied Health

Discipline: Radiography

Course Number: 125

Org Number: 15600

Full Course Title: Radiographic Procedures and Related Anatomy

Transcript Title: Rad Procedures & Anatomy

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

Outcomes/Assessment

Objectives/Evaluation

Rationale: Modified outcome 1. The previous outcome didn't reflect the areas being taught.

Proposed Start Semester: Winter 2022

Course Description: In this course, students will learn how to obtain quality images of the gastrointestinal system, accessory organs, urinary system, as well as other special procedures associated with radiography. Students will also learn the practical applications of being introduced to contrast media and the appropriate use of fluoroscopic equipment and imaging accessories.

Course Credit Hours

Variable hours: No

Credits: 3

Lecture Hours: Instructor: 45 **Student:** 45

Lab: Instructor: 0 **Student:** 0

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

Total Contact Hours: Instructor: 45 **Student:** 45

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

Prerequisite

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

General Education

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Identify related anatomy according to the radiographic positioning for exams of the gastrointestinal, biliary, and urinary system.

Assessment 1

Assessment Tool: Outcome-related departmental final examination questions on Blackboard

Assessment Date: Winter 2022

Assessment Cycle: Every Three Years

Course section(s)/other population: All sections

Number students to be assessed: All students

How the assessment will be scored: Answer key

Standard of success to be used for this assessment: 80% of the students will achieve a score of 70% or above.

Who will score and analyze the data: Faculty

2. Perform basic care skills associated with a radiographic examination of the large intestine (barium enema).

Assessment 1

Assessment Tool: Practical lab evaluation

Assessment Date: Winter 2022

Assessment Cycle: Every Three Years

Course section(s)/other population: All sections

Number students to be assessed: All students

How the assessment will be scored: Lab skill checklist (yes or no)

Standard of success to be used for this assessment: 80% of the students will achieve a score of 100% for the practical skills evaluation.

Who will score and analyze the data: Faculty

Course Objectives

1. List and identify the organs of the upper gastrointestinal (UGI) system and accessory organs.
2. Describe the anatomical location of the esophagus within the thoracic cavity.
3. Explain the appropriate protocol for taking a patient history prior to an iodinated contrast injection.
4. Demonstrate the proper skill for assembling and preparing a barium suspension and enema bag for a lower gastrointestinal procedure.
5. List and describe the anatomy and physiology of the liver, gallbladder and biliary duct system.
6. Describe the patient preparation, room preparation, and the fluoroscopic procedure for an Endoscopic retrograde cholangiopancreatography (ERCP).
7. List and describe the common radiopaque contrast media utilized for an intravenous urogram (IVU).
8. List the basic positions or projections for an IVU.
9. List the basic positions or projections for the small bowel series.
10. Describe the image receptors, central ray location, direction and angulation of the beam for a UGI series.

New Resources for Course

Course Textbooks/Resources

Textbooks

Bontrager, Kenneth, L. Lampignano, John P., . *Radiographic Positioning and Related Anatomy*, 10th ed. St. Louis: Mosby-Year Book, Inc., 2021

Manuals

Bontrager, Kenneth, L. Lampignano, John P.. Radiographic Positioning and Related Anatomy Workbook and Laboratory Manual, Mosby-Year Book, Inc., 01-01-2021

Periodicals

Software

Equipment/Facilities

Level III classroom

Other: Blackboard management system

<u>Reviewer</u>	<u>Action</u>	<u>Date</u>
Faculty Preparer: <i>Jim Skufis</i>	<i>Faculty Preparer</i>	<i>Oct 13, 2021</i>
Department Chair/Area Director: <i>Kristina Sprague</i>	<i>Recommend Approval</i>	<i>Oct 14, 2021</i>
Dean: <i>Eva Samulski</i>	<i>Recommend Approval</i>	<i>Oct 14, 2021</i>
Curriculum Committee Chair: <i>Randy Van Wagnen</i>	<i>Recommend Approval</i>	<i>Nov 29, 2021</i>
Assessment Committee Chair: <i>Shawn Deron</i>	<i>Recommend Approval</i>	<i>Nov 30, 2021</i>
Vice President for Instruction: <i>Kimberly Hurns</i>	<i>Approve</i>	<i>Nov 30, 2021</i>

Washtenaw Community College Comprehensive Report

RAD 125 Radiographic Procedures and Related Anatomy Effective Term: Fall 2013

Course Cover

Division: Math, Science and Health

Department: Allied Health

Discipline: Radiography

Course Number: 125

Org Number: 15600

Full Course Title: Radiographic Procedures and Related Anatomy

Transcript Title: Rad Procedures & Anatomy

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:

Pre-requisite, co-requisite, or enrollment restrictions

Outcomes/Assessment

Rationale: The sequence of radiography courses has been changed due to revision in the curriculum. RAD 125, which was offered in the Winter semester for the first-year students, will be offered in the Fall semester for the first-year students.

Proposed Start Semester: Fall 2013

Course Description: This course is designed to teach the student how to obtain quality images of the gastrointestinal system, accessory organs, urinary system and other special procedures associated with radiography. Students will also learn practical applications of contrast media and the appropriate use of fluoroscopic equipment and imaging accessories.

Course Credit Hours

Variable hours: No

Credits: 3

Lecture Hours: Instructor: 45 Student: 45

Lab: Instructor: 0 Student: 0

Clinical: Instructor: 0 Student: 0

Total Contact Hours: Instructor: 45 Student: 45

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

Prerequisite

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

General Education

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Identify related anatomy according to radiographic positioning for the upper gastrointestinal series.

Assessment 1

Assessment Tool: departmental final examination on Blackboard

Assessment Date: Winter 2014

Assessment Cycle: Every Three Years

Course section(s)/other population: All sections

Number students to be assessed: All students

How the assessment will be scored: Answer key

Standard of success to be used for this assessment: 80% of the students will achieve a score of 70% or above for the exam.

Who will score and analyze the data: Faculty

2. Perform basic care skills associated with a radiographic examination of the large intestine (barium enema).

Assessment 1

Assessment Tool: Practical lab evaluation

Assessment Date: Fall 2014

Assessment Cycle: Every Three Years

Course section(s)/other population: All sections

Number students to be assessed: All students

How the assessment will be scored: Lab skill checklist (yes or no)

Standard of success to be used for this assessment: 80% of the students will achieve a score of 100% for the practical skills evaluation.

Who will score and analyze the data: Faculty

Course Objectives

1. List and identify the organs of the upper gastrointestinal system and accessory organs.

Matched Outcomes

2. Describe the anatomical location of the esophagus within the thoracic cavity.

Matched Outcomes

3. Explain the appropriate protocol for taking a patient history prior to an iodinated contrast injection.

Matched Outcomes

4. Demonstrate the proper skill for assembling and preparing a barium suspension and enema bag for a lower gastrointestinal procedure.

Matched Outcomes

New Resources for Course

Course Textbooks/Resources

Textbooks

Bontrager, Kenneth, L. Lampignano, John P., . *Radiographic Positioning and Related Anatomy*, 7th ed. St. Louis: Mosby-Year Book, Inc., 2010

Manuals

Bontrager, Kenneth, L. Lampignano, John P.. Radiographic Positioning and Related Anatomy Workbook and Laboratory Manual, Mosby-Year Book, Inc., 01-01-2010

Periodicals

Software

Equipment/Facilities

Level III classroom

Other: Blackboard management system

Reviewer

Action

Date

Faculty Preparer:

Connie Foster

Faculty Preparer

May 14, 2013

Department Chair/Area Director:

Connie Foster

Recommend Approval

May 14, 2013

Dean:

Martha Showalter

Recommend Approval

May 15, 2013

Vice President for Instruction:

Bill Abernethy

Approve

Jun 24, 2013