

Washtenaw Community College Comprehensive Report

RAD 235 Pathology for Radiographers Effective Term: Winter 2017

Course Cover

Division: Health Sciences

Department: Allied Health

Discipline: Radiography

Course Number: 235

Org Number: 15600

Full Course Title: Pathology for Radiographers

Transcript Title: Pathology for Radiographers

Is Consultation with other department(s) required: No

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

Reason for Submission:

Change Information:

Consultation with all departments affected by this course is required.

Course description

Outcomes/Assessment

Objectives/Evaluation

Rationale: Updating Master Syllabus

Proposed Start Semester: Winter 2017

Course Description: This course is a study of pathological imaging to include respiratory, gastrointestinal and accessory organs, genitourinary, skeletal, cardiovascular, and nervous systems. This course will investigate the etiology, signs, symptoms, and primary methods of diagnosis. An emphasis is placed on radiologic visualization of pathological conditions. This course was previously RAD 135.

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 150 minimum grade "C-"

General Education

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Identify the general classification of disease and pathogenesis associated with the human body

Assessment 1

Assessment Tool: Course unit tests

Assessment Date: Fall 2019

Assessment Cycle: Every Three Years

Course section(s)/other population: All students

Number students to be assessed: All students enrolled in the course

How the assessment will be scored: A unit test will be administered via Blackboard

Standard of success to be used for this assessment: 70% of the students will answer question(s) correctly related to the stated outcome

Who will score and analyze the data: Departmental faculty

2. Determine the appropriate adjustments to exposure factors required to compensate for disease and manifestations associated with specific pathological conditions.

Assessment 1

Assessment Tool: Course unit tests

Assessment Date: Fall 2019

Assessment Cycle: Every Three Years

Course section(s)/other population: All students

Number students to be assessed: All students enrolled in the course

How the assessment will be scored: A unit test will be administered via Blackboard

Standard of success to be used for this assessment: 70% of the students will answer question(s) correctly related to the stated outcome

Who will score and analyze the data: Departmental Faculty

Course Objectives

1. Define the term disease as it relates to the human body.
2. Describe the physiological effects of ischemia and infarction on human tissue.
3. Describe the morphological cellular process of malignant human cells
4. Explain the possible causes of cancer.
5. Describe metastasis and the process of cellular migration.
6. Explain the changes in technical factors required to obtain quality radiographic images for patients with various pathologic conditions.
7. Identify pathological conditions that result in an increased attenuation of the primary beam.
8. Identify pathological conditions that result in a decreased attenuation of the primary beam.

New Resources for Course

Course Textbooks/Resources

Textbooks

Eisenberg, R. L., Johnson, N. M.. *Comprehensive Radiographic Pathology*, 5th ed. St. Louis: Elsevier Mosby, 2012, ISBN: 9780323078474.

Manuals

Periodicals

Software

Equipment/Facilities

Level III classroom

Testing Center

Data projector/computer

Reviewer

Action

Date

Faculty Preparer:

William Nelson

Faculty Preparer

Jun 27, 2016

Department Chair/Area Director:

Connie Foster

Recommend Approval

Jul 01, 2016

Dean:

Valerie Greaves

Recommend Approval

Jul 02, 2016

Curriculum Committee Chair:

David Wooten

Recommend Approval

Jul 24, 2016

Assessment Committee Chair:

Michelle Garey

Recommend Approval

Jul 25, 2016

Vice President for Instruction:

Michael Nealon

Approve

Jul 28, 2016