

Washtenaw Community College Comprehensive Report

RAD 265 Computed Tomography (CT) Clinical Education I Effective Term: Fall 2014

Course Cover

Division: Math, Science and Health

Department: Allied Health

Discipline: Radiography

Course Number: 265

Org Number: 15600

Full Course Title: Computed Tomography (CT) Clinical Education I

Transcript Title: CT Clinical Education 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.

Course description

Distribution of contact hours

Rationale: Increase the student clinical hours.

Proposed Start Semester: Fall 2014

Course Description: This is the first clinical course for certified technologists, ARRT (R), ARRT (N), ARRT (T), and (CNMT), who are admitted to the computed tomography (CT) program. Students will apply knowledge and skills learned in the classroom to the performance of computed tomography (CT) procedures in the clinical setting. Students are expected to gain practical experience and demonstrate competency in the area of CT protocols and parameter, equipment operation, quality control, and image critique. This course requires a 15 week, 24-hours/week clinical rotation under the supervision of a certified computed tomographer.

Course Credit Hours

Variable hours: No

Credits: 3

Lecture Hours: Instructor: 0 Student: 0

Lab: Instructor: 0 Student: 0

Clinical: Instructor: 0 Student: 360

Total Contact Hours: Instructor: 0 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 Computed Tomography (CT) program
and

Corequisite
RAD 263

General Education

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Communicate effectively with patients and the healthcare team in the clinical setting.

Assessment 1

Assessment Tool: Computed Tomography Final Clinical Evaluation Form

Assessment Date: Fall 2015

Assessment Cycle: Every Three Years

Course section(s)/other population: All sections

Number students to be assessed: All students (maximum admission to the computed tomography program is 12 students)

How the assessment will be scored: Analysis of question 1 on the Final Clinical Education Performance Evaluation regarding patient communication.

Standard of success to be used for this assessment: 95% of the students will receive an "effective performance" rating on question 1 of the Clinical Performance Evaluation regarding patient communication.

Who will score and analyze the data: Faculty

2. Perform a minimum of 30 computed tomography procedures on patients with a range of different physical, medical, and other special needs according to the standard protocols in the clinical setting.

Assessment 1

Assessment Tool: Computed Tomography Final Clinical Evaluation Form

Assessment Date: Fall 2015

Assessment Cycle: Every Three Years

Course section(s)/other population: All sections

Number students to be assessed: All students (maximum admission to the computed tomography program is 12 students)

How the assessment will be scored: Analysis of question 11 on the Final Clinical Education Performance Evaluation regarding competency maintenance.

Standard of success to be used for this assessment: 95% of the students will receive an "effective performance" rating on question 11 of the Clinical Performance Evaluation regarding competency maintenance.

Who will score and analyze the data: Faculty

3. Apply radiation protection principles for the patient, self, and other healthcare members.

Assessment 1

Assessment Tool: Computed Tomography Final Clinical Evaluation Form

Assessment Date: Fall 2015

Assessment Cycle: Every Three Years

Course section(s)/other population: All sections

Number students to be assessed: All students (maximum admission to the computed tomography program is 12 students)

How the assessment will be scored: Analysis of question 3 on the Final Clinical Education Performance Evaluation regarding radiation protection.

Standard of success to be used for this assessment: 95% of the students will receive an "effective performance" rating on question 3 of the Clinical Performance Evaluation regarding radiation protection.

Who will score and analyze the data: Faculty

Course Objectives

1. Prepare the patient for the computed tomography (CT) procedure.
Matched Outcomes
2. Make informed critical judgments with regard to using the appropriate computed tomography (CT) scanning protocols.
Matched Outcomes
3. Make informed critical judgments with regard to the operation of the computed tomography (CT) imaging system.
Matched Outcomes
4. Process the computed tomography (CT) images.
Matched Outcomes

New Resources for Course

No new resources are needed for this course.

Course Textbooks/Resources

Textbooks
Manuals
Periodicals
Software

Equipment/Facilities

Other: Students will be assigned a clinical rotation at local hospitals.

<u>Reviewer</u>	<u>Action</u>	<u>Date</u>
Faculty Preparer: <i>Connie Foster</i>	<i>Faculty Preparer</i>	<i>Oct 14, 2013</i>
Department Chair/Area Director: <i>Connie Foster</i>	<i>Recommend Approval</i>	<i>Oct 15, 2013</i>
Dean: <i>Martha Showalter</i>	<i>Recommend Approval</i>	<i>Oct 18, 2013</i>
Vice President for Instruction: <i>Bill Abernethy</i>	<i>Approve</i>	<i>Nov 13, 2013</i>