

CUMBERLAND COUNTY COLLEGE

Course: RT 205 Radiographic Procedures IV

Credit: 3

Prerequisites

RT201, RT202, RT220

Co-requisites

RT206, RT221

Course Description

Using lecture, radiographs, and audiovisuals, the basic procedures and equipment used for pediatric patients, mammography, vascular, and neurological imaging are presented. Students are introduced to the imaging and therapeutic modalities of computerized tomography, nuclear medicine, ultrasound, radiation therapy, and magnetic resonance.

Learning Outcomes

At the completion of this course, students will be able to:

- Discuss the basic principles of the imaging and therapeutic modalities presented
- Compare those principles, procedures, and images to those of diagnostic radiography
- Assist a qualified radiographer in vascular and neurologic imaging procedures
- Students will complete simulated registry examinations in preparation for the national certification exam.

Topical Outline

- Special projections of the upper & lower extremity, spine & head
- Mammography
- Circulatory System
- Venography & Cardiac Catheterization
- Nuclear Medicine & MRI
- Ultrasound & Radiation Therapy
- Angiography & Interventional Procedures

Required Texts and Other Materials

Ballinger, Frank, *Merrill's Atlas of Radiographic Positions & Radiologic Procedures, current edition*, Vol I, II, & III. Mosby.

Student Assessment

Assessment will be accomplished through exams. The grade for this course will be determined as follows:

- Tests = 75%
- Final Exam = 25%

Class absences will be deducted from the course grade as follows:

- 0.50 for each absence and

- 0.25 for each lateness or early departure.

Failure to complete any of the simulated registry exams or other course assignments will result in an “I” incomplete grade.

Academic Integrity

Plagiarism is cheating. Plagiarism is presenting in written work, in public speaking, and in oral reports the ideas or exact words of someone else without proper documentation. Whether the act of plagiarism is deliberate or accidental [ignorance of the proper rules for handling material is no excuse], plagiarism is, indeed, a “criminal” offense. As such, a plagiarized paper or report automatically receives a grade of **ZERO** and the student may receive a grade of **F** for the semester at the discretion of the instructor.

Available Resources

If you are having difficulty with work in this class, tutoring is available through the Success Center. If you think that you might have a learning disability, contact Project Assist at 856.691.8600, x1282 for information on assistance that can be provided to eligible students.

(List availability of open labs and/or writing center)

Before Withdrawing From This Course

If a student experiences adverse circumstances while enrolled in this course and considers withdrawing, s/he should see an advisor (division or advisement center) BEFORE withdrawing from the class. A withdrawal may cause harmful repercussions to completion rate standards and overall GPA which can limit or eliminate future financial aid in addition to causing academic suspension.