

CUMBERLAND COUNTY COLLEGE

Course: RT 106 Radiographic Exposure II

Credits: 2

Prerequisites

RT101, RT102, RT103, RT104, BI106

Co-requisites:

RT107, RT110, RT121, BI 107

Course Description

This course will concentrate on the equipment in use within a Radiography Department and its relationship to the photographic and geometric properties of an image.

Learning Outcomes

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

- Explain the effect of radiographic accessory equipment on the quality of an image.
- Manipulate the technical factors of image production to compensate for the use of the equipment.
- Change technique or equipment to improve an image.
- Demonstrate the ability to change the factors of image production for varying patient conditions and equipment limitations.

Topical Outline

- Grids
- Methods to Control Scatter
- Pathology
- Automatic Exposure Control
- Radiographic Exposure Technique
- Technique Conversion and Comparison
- Radiographic Technique Charts
- Artifacts

Required Texts and Other Materials

Terri L. Fauber, *Radiographic Imaging & Exposure, 4th Edition* Elsevier Mosby, 2013.

James N. Johnson, Terri L. Fauber, *Radiographic Physics and Imaging*, Elsevier Mosby, 2012.

Student Assessment

Assessment will be accomplished through exams and related student clinical assignments.

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.

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.