

CUMBERLAND COUNTY COLLEGE

Course: RT 101 Introduction to Radiologic Science

Credits: 3

Prerequisites

None

Co-requisites

RT 102, RT103, RT104, RT120, BI 106

Course Description

Students are oriented to the organization of hospitals and are introduced to the role of the radiographer within the organizational structure. The course includes an introduction to medical terminology, film processing, professional ethics, legal responsibilities and radiography professionalism.

Learning Outcomes

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

- Recognize the legal and ethical responsibilities of a Radiography professional..
- Use medical terminology related to Imaging Department procedures
- Examine a variety of ethical issues in clinical situations
- Analyze the process of changing a latent image to a manifest image.
- Demonstrate basic radiation protection
- Administer basic patient care.

Topical Outline

Module A

- Introduction to the Profession
- Medical Ethics
- Medical Law
- Critical Thinking
- Introduction to Medical Terminology
- Image Receptors
- Basic Radiation Protection

Module B

- Body Mechanics with Patient Transfer Techniques
- Communication Techniques
- Oxygen Therapy and hand washing technique
- Infection Control and Isolation
- Medical & Surgical Asepsis
- Vital Signs
- Pharmacology
- Medication Administration

- Emergency Response

Required Texts and Other Materials

Ehrlich, *Patient Care in Radiography, 9th Edition*, Elsevier Publishing

Taber's *Basic Cyclopedic Medical Dictionary 20th Edition*, F.A. Davis 2005.

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

Student Assessment

Assessment may be accomplished through projects, portfolios, exams, presentations and/or papers.

The grade for this course will be determined as follows:

- Tests = 75%
- Final Exam = 25%

The course will be divided into two modules:

- Module A Introduction to radiography (40% of course grade)
- Module B Patient Care (60% of course grade)

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

- 0.5 point for each absence and
- 0.25 point 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.