

Bergen Community College  
Division of Health Professions  
Radiography Program

Course Title:           **Introduction to Radiography**  
Course Code:           **RAD 180**  
Credits:                 2.0 (Lecture 2)

Prerequisites:           Acceptance to the Radiography Program  
Co-requisites:          RAD 181: Radiography I with Lecture and Lab  
                              RAD 182: Clinical I

**Course Description:**

Introduction to Radiography (RAD 180) is an exploration of the basic aspects of the health care delivery system, and the radiography professions are studied. Specific topics related to patient care management include communication, medical law, ethical practice, vital signs, basic pharmacology, infection control; transfer techniques, medical equipment, HIPAA, and emergencies are addressed.

**Student Learning Objectives:**

Upon completion of this course the student radiographer will be able to:

1. Describe the role of the radiographer in the image department and within the healthcare team.
2. Identify and explain HIPAA mandates and requirements.
3. Discuss the relationship of ethical theory to medical legal practice.
4. Determine the impact that all forms of communication have on the quality of the patient care that is delivered.
5. Identify, explain and discuss the fundamental medical and legal issues that affect the daily practice of the radiographer.
6. Describe and explain basic body mechanics in the safe transportation of patients.

7. Identify, describe and discuss the rationale for the practice of universal standard precautions and blood borne pathogens.
8. Explain what is meant by patient assessment, and determine the effect that patient assessment has on the study being performed as well as, overall care of the patient.
9. Discuss the impact on safety as it relates to patient care, radiation exposure, etc.

### **Course Content - Lecture Content/Chapter Readings**

The following timeline and course content are subject to change; students will be notified electronically if there are changes. The instructor reserves the right to include additional course material as mandated by the ARRT/JRCERT/State of NJ.

Orientation: Introduction to Clinical Education = Chapter 5

Tentative schedule – subject to change as student learning mandates.

MODULE 1	1) HIPAA 2) Bloodborne pathogens 3) Customer Service
MODULE 2	1) Ch 2- Professional organizations 2) Ch 3- Educational survival skills 3) Ch 4- Critical Thinking and Problem solving 4) Ch 6- Radiology Administration 5) Ch 7- Radiographic Imaging
MODULE 3	1) Ch 8 – Radiographic and Fluro Equip 2) Ch 9 – Basic Rad Protection 3) Ch 10- Human Diversity 4) Ch 11- Patient interactions
MODULE 4	TEST #1
MODULE 5	1) Ch 12 – History Taking 2) Ch 13 – Safe Patient Movement and Handling 3) Ch 14 – Immobilization Techniques
MODULE 6	1) Ch 15 Vital signs 2) Ch 16 Cardiac Monitoring 3) Ch 20 Medical Emergencies
MODULE 7	Mid-term examination
MODULE 8	1) Ch 17 Infection Control 2) Ch 18 Aseptic Techniques 3) Ch 19 Non-Aseptic Techniques

MODULE 9	1) Medical Law + Legal and ethical issues Ch 24 and Ch 26
MODULE 10	1) Ch 21 Pharmacology 2) Ch 22 Drug Administration 3) Ch 23 Cont. Media & Radiopharmaceuticals
MODULE 11	Assignment = To be announced
MODULE 12	College Closed Thanksgiving holiday
MODULE 13	Test #2
MODULE 14	Ch 25
MODULE 15	Final Exam

**Required Textbook:**

Intro to Radiologic & Imaging Sciences & Patient Care =  
7<sup>th</sup> edition ISBN-13: 978-0-323-56671-1

Handouts to be supplied by the instructor will include journal articles and reinforcing concepts taught within the course.

**Grading Policy, Course Requirements and Assigned Grades:**

- 1. Test #1 ..... 20%
- 2. Test #2 ..... 20%
- 3. Midterm..... 25%
- 4. Final Exam.....30%
- 5. Assignments... .....5%

**Attendance Policy:** Students are expected to attend EACH lecture session. Assignments and readings are indicated by the instructor/syllabus and should be completed prior to the due date.

**The instructor will not accept any late assignments.**

Tests account for 40% of the final grade for this course; the item format will be varied. (Multiple choice, fill in the blank and short answer). Two tests will be administered during this course, students will be afforded (1) one opportunity to make up one (1) missed assessment due to absence, with appropriate documentation. (Makeup assessment format will be different from the original test/exam).

Absences, on any testing/examination/assessment days, beyond the one permissible absence will result in a zero grade.

**Successful course completion:** Two tests are scheduled in this class as well as, the midterm and final examination which will account for 55% of the final course grade. The final exam is comprehensive. Midterm and final examinations when averaged together, must be passed with a minimal grade of 77% **regardless of any other grades earned within the course.** Failure to pass these two assessments with a minimum grade of 77% (when the assessments are averaged) will result in the failure of the course.

When the midterm and final exam average at least 77%, then and only then will all other grades earned, within the course, be averaged into the final grade.

**The rationale for this strict grading policy:**

RAD 180 is the foundation course for the entire program and career knowledge of a well-educated Radiologic Technologist. All future classes will continue to build upon this foundation as the student progresses. As a practicing Technologist the material presented in this course will be utilized on a daily basis.

This course information must be retained over the course of two years and beyond, not only to be successful with the subject area on the registry examination, but the career of a radiologic technologist.

***Grade Assignment Protocol and Policy***

Letter grades for each radiography course are assigned as follows:

A	92-100	C	77-79.9
B+	89-91.9	D	76.9 – 70 Grade not recognized by the Radiography Program
B	83-88.9	F	69.9 and below
C+	80-82.		

**Policies in this syllabus are subject to change.**

**The instructor will advise the students of any changes through written electronic notification.**

# RAD 180

## SYLLABUS and POLICIES ACKNOWLEDGEMENT FORM

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\_\_\_\_\_ have read the syllabus for RAD 180 thoroughly.  
(Print name)

- ✓ By signing this document, I agree to abide by the terms herewith stated and published on the syllabus.
- ✓ Any aspect of the syllabus is subject to change; students will be notified electronically.
- ✓ I understand that I must acquire 77% on the midterm and final examination (when both are averaged together).

An unsuccessful attempt to meet the minimal grade of 77%, on the 2 averaged exams will result in a failure of the course, this is regardless of any other course grades.

If the 77% is earned (when the midterm and final examinations are averaged) then and only then will the other course grades be averaged into the final course grade.

- ✓ I am aware of the attendance policy and obligations that are required for successful completion of the objectives of this course.
- ✓ I am aware that photography, in class, by any means for any purpose, utilizing a cell phone, I-pad or camera is prohibited and is a serious infringement of academic integrity. Students are not to take images of any class, lab materials, tests or other persons. Infringements will be reported to the Dean of Health Professions and the Dean of Student Judicial Affairs.
- ✓ Cell phones and electronic devices are NOT to be visible during any assessment (test, or examination). If a cell phone or other electronic device is seen by the instructor, the assessment will be collected and the student will forfeit the assessment receiving a zero grade.

STUDENT SIGNATURE: \_\_\_\_\_

DATE: \_\_\_\_\_