

Bergen Community College
Division of Health Professions
Radiography Program Fall 2014

Student course of study and syllabus:

A. Course Information:

Course Title: **Introduction to Radiography**
Course Code: **RAD 180**
Credits: 3.0 (45 lecture hours)
Prerequisites: None
Co-requisites: RAD 181: Radiography I and Lab
RAD 182 Clinical I
Instructor: Elizabeth Romano MS Ed. R.T. (R)(M)
Office- L114 Phone 201-493-3577
Email: eromano@bergen.edu
Office hours: Mon. 7:30-9:30am
Tue. 7:30-8:00am
Wed.- 7:30-8:00am

B. 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.

C. 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 effect 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.

D. Course Content - Lecture Content/Chapter Readings

The content for RAD 180 Introduction to Radiography includes the following content, but is not limited to:

Orientation: Introduction to Clinical Education = Chapter 5

- **Week 1 (9/3)**
 - 1) HIPAA
 - 2) Bloodborne pathogens
 - 3) Human Diversity
 - 4) Customer Service
- **Week 2 (9/10)**
 - 1) Professional organizations
 - 2) Health Information Management
- **Week 3 (9/17)**
 - 1) Ch 3- Patient Assessment and Communication
 - 2) Ch 4- Patient Care and Safety
- **Week 4 (9/24)**
 - 1) Ch14- Aseptic Technique in Imaging
 - 2) Ch 5- Infection control
- **Week 5 (10/1)** Infection control continued.
- **Week 6 (10/9)** **Test #1**
- **Week 7 (10/15)** 1) Ch 6 Vital signs 2) Ch 9 Medical Emergencies
- **Week 8 (10/22)**
 - 1) Ch15 Pharmacology
 - 2) Ch 16 Drug Administration
- **Week 9 10/29** 1) Ch 2 Professional issues 2) Medical Law
- **Week 10 11/5**
 - 1) Ch 11 Urologic Procedures
 - 2) Ch12 Gastrointestinal
 - 3) Ch 13 Alternative Medical Treatments
- **Week 11 11/12** Behavioral Health in Suburbia TEC-128 9:15am
- **Week 12 11/19** **Test #2**
- **Week 13 11/26** College Closed
- **Week 14 12/2** 1) Ch 7 Pediatrics 2) Ch 8 Geriatric

- 3) Ch 10 Trauma & Mobil
- 4)Ch 17 Basic Electrocardiogram
- 5) Ch 18 Advanced imaging

• **Week 15 12/16 **Final Exam****

E. Required Course Textbook:

1. Patient Care in Imaging Technology: (Dutton, Watson, Torres) Eighth ed.
 ISBN-13: 978-1-4511-1565-9 ISBN-10: 1-4511-1565-2
2. Handouts to be supplied by the instructor which will include journal articles and reinforcing concepts taught within the course.

F. Grading Policy, Course Requirements and Assigned Grades:

1. Mid Term Exam.....25%
2. Final Exam.....30%
3. Weekly Quizzes.....25%
4. Exercises and Assignments.....5%
5. Discussion/Attendance.....15% (10% discussion 5% attendance)

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 50% 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 test due to absence. Absences 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 final examination which will account for 40% of the final course grade. The final exam is comprehensive. All written assessments (two tests and one final examination) when averaged together, must be passed with a grade of at least 75% **regardless of any other grades earned within the course.** Failure to pass these assessments with a 75% (when the assessments are averaged) will result in the failure of the course.

The rationale for this grading policy: RAD 180 is the foundation course for the **entire** program and career knowledge of a 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.

Upon completion of the three assessments (2 tests and a final exam) with at least a 75%, a final course grade will be assigned based on the average of all the components indicated in the syllabus. (Tests, assignments, attendance records, and final examination).

Grade Assignment Protocol and Policy

Letter grades for each radiography course are assigned as follows:

A	92-100
B+	89-91
B	83-88
C+	80-82
C	75-79
F	74 and below

Policies in this syllabus are subject to change.

The instructor will advise the students of any changes both in class and through electronic notification.

RAD 180

SYLLABUS and POLICIES ACKNOWLEDGEMENT FORM

_____ (print name) have read the syllabus for RAD 180 thoroughly.

- ✓ 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 both verbally and electronically.
- ✓ I understand that I must acquire 75% on the tests and final examination. An unsuccessful attempt to meet the minimal grade of 75%, on the 3 averaged assessments (2 tests and the final exam) will result in a failure of the course.
- ✓ I am aware of the attendance policy and obligations that are required.
- ✓ 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, quiz or examination). If a cell phone or other electronic devices are seen by the instructor, the assessment will be collected and the student will forfeit the assessment receiving a zero grade.

STUDENT SIGNATURE: _____

DATE: _____