

**Bergen Community College
Division of Health Professions
Department of Radiography**

Course Syllabus

RAD 180 – Introduction to Radiography

Basic Information About Course

Course Typically Offered: Fall
Semester and Year: Fall, Year 1
Course and Section Number: RAD 180-001, 002
Location: HP-124

Course Description

In this course, the healthcare system and the radiography profession 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 and emergencies are addressed.

Credits – 2 CR, Lecture [2.00]
Prerequisites - Admission into program

Co Requisites - RAD 181 Radiography I
RAD 182 Radiography Practicum I

Student Learning Objectives: As a result of meeting the requirements in this course, students will be able to:

1. Describe the role of a radiographer in an imaging department and as part of a healthcare team.
2. Identify, explain, and discuss fundamental medical, ethical, and legal issues that a radiographer can face.
3. Explain the role of a radiographer in preventing the spread of disease.
4. Educate a patient before a procedure on the risks and benefits of radiographic imaging.
5. Identify and describe the structure of a medical facility and its accreditors.

Means of Assessment

Students in this course will:

1. Complete two tests in addition to a midterm and final examination in class.
2. Demonstrate their understanding of material through discussion.
3. Participate in assigned readings and homework assignments designed to encourage critical thinking.

Course Content

Introduction to Radiography 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.

Course Texts and/or Other Study Materials

Adler, Arlene & Carlton, Richard & Stewart, Kori. *Introduction to Radiologic & Imaging Sciences & Patient Care 8th Edition*. Saunders, 2022. ISBN 9780323872249

Research, Writing, and/or Examination Requirement(s)

Quizzes, Short Writing Assignments

Students may be given short writing assignments or quizzes to complete. Timelines for completion will be determined by the course instructor.

Midterm and Final

The midterm and final will be objective, computerized tests that demonstrate the student's ability to identify and apply course material. Students will be expected to evaluate various scenarios and determine the appropriate response.

Grading Policy**Recommended Grade Structure**

Written assignment and participation grading will be defined by the instructor.

The Radiography program grading scale is outlined in the program handbook available here <https://bergen.edu/radiography/more-info/>

Recommended Policy for Late Assignments:

To be determined by the instructor.

Attendance Policy**BCC Attendance Policy:**

All students are expected to attend every scheduled meeting of each course in which they are registered. Attendance and lateness policies and sanctions are to be determined by the instructor for each section of each course. These will be established in writing on the individual course outline. Attendance will be kept by the instructor for administrative and counseling purposes.

Attendance Policy for this Course.

To be determined by the instructor.

Other College, Divisional, and/or Departmental Policy Statements**Accommodations for Disabilities:**

Bergen Community College aims to create inclusive learning environments where all students have maximum opportunities for success. Any student who feels he or she may need accommodation based on the impact of a disability should contact the Office of Specialized Services at 201-612-5269 or via email at ossinfo@bergen.edu for assistance.

Statement on Mental Health and Wellbeing

Mental health concerns or stressful events may lead to diminished academic performance or reduce a student's ability to participate in daily activities. Bergen Community College has licensed Personal Counselors available to assist you with addressing these and other concerns you may be experiencing.

You can learn more about the confidential mental health services available on campus via the Health and Wellness Center at www.bergen.edu/personalcounseling

BCC Statement on Plagiarism: Plagiarism is a form of academic dishonesty and may be a violation of U.S. Copyright laws. Plagiarism is defined as taking someone else's words, opinions, or ideas and claiming them as one's own.

Examples of plagiarism include instances in which a student:

- knowingly represents the work of others as his/her own
- represents previously completed academic work as current
- submits a paper or other academic work for credit which includes words, ideas, data or creative work of others without acknowledging the source
- uses another author's exact words without enclosing them in quotation marks and citing them appropriately
- paraphrases or summarizes another author's words without citing the source appropriately

Instructors may define their own policies regarding plagiarism. See the Academic Regulations section of the college catalog for college policies.

Available Online and On-Campus Resources

Office of Testing and Tutoring at the Meadowlands LYN 202

<https://bergen.edu/tutoring/tutoring-testing-center-at-the-meadowlands/>

The Writing Center and Tutoring Center L-125 <https://bergen.edu/tutoring/writing-center/>

OWL (Online Writing Lab) <http://www.owl.english.perdue>

The English Language Resource Center (ELRC) C-212

<https://bergen.edu/tutoring/english-language-resource-center/>

The Library <https://bergen.edu/library/>

MLA Formatting Guides <https://bergen.libguides.com/citationguides/mla>

Library Research Guides <https://bergen.libguides.com/index.php?b=s>

Free Time Computer Labs <https://bergen.edu/technology-assistance/computer-lab-availability/>

The Center for Student A-118 (Academic, Career, International, and Transfer Counselors)

<https://bergen.edu/center-for-student-success/>

Academic Support <https://bergen.edu/academics/pathway-scholars-program/academic-support/>

Personal Counseling HS-100

<https://bergen.edu/health-wellness-and-personal-counseling/personalcounseling/>

Sample Course Outline

| Module | Topic/Activity | Assignment/Events |
|--------|--|-------------------|
| 1 | HIPAA Bloodborne Pathogens Customer Service | |
| 2 | Professional Organizations Educational Survival Skills Critical Thinking and Problem Solving Radiology Administration Radiographic Imaging | |
| 3 | Radiographic and Fluoroscopic Equipment Basic Radiation Protection Human Diversity Patient Interactions | |
| 4 | Test 1 | |
| 5 | History Taking Safe Patient Movement and Handling Immobilization Techniques | |
| 6 | Vital Signs Cardiac Monitoring Medical Emergencies | |
| 7 | Midterm Examination | |
| 8 | Infection Control Aseptic Techniques Non-Aseptic Techniques | |
| 9 | Medical Law Ethical Issues | |
| 10 | Pharmacology Drug Administration | |

| | | |
|----|---|--|
| | Contrast Media & Radiopharmaceuticals | |
| 11 | Test 2 | |
| 12 | Health Records & Information Management | |
| 13 | Final Exam | |

Important dates for the semester can be found at
<https://bergen.edu/events/category/academic-calendar/list/>

Note to Students: This Course Outline and Calendar is tentative and subject to change, depending upon the progress of the class.

Date of Most Recent Syllabus Revision: 09/2024