



**Rowan College**  
at  
**BURLINGTON COUNTY**

## RADIOGRAPHY

**CODE:** RAD 117

**TITLE:** Patient Care in Radiologic Science

**DIVISION:** Health Sciences

**COURSE DESCRIPTION:** The student is introduced to the methods of optimal patient care, including consideration for the physical and psychological needs of the patient and family. Communication between the technologist and health care team is stressed. Routine and emergency patient care procedures are described, to include infection control procedures using standard precautions.

**PREREQUISITE:** BIO 110/111 or 208/209, HIT 105, ENG 101

**COREQUISITE:** RAD 113, 127, 140, 142

**CREDITS:** 2 cr.

**REQUIRED MATERIALS (CHECK BOOKSTORE FOR LATEST EDITION):**

Click on the bookstore for the supplies which you are attending each class.

[Rcbc.edu/bookstore](http://Rcbc.edu/bookstore)

**COURSE LEARNING OUTCOMES:**

Upon completion of this course, students will be able to:

- Identify the responsibilities of the health care facility and members of the health care team.
- Explain how a person's cultural beliefs toward illness and health affect his or her health status.
- Demonstrate correct principles of body mechanics applicable to patient care, and describe immobilization techniques for various types of procedures and patient conditions.
- List and explain the information to be collected prior to a patient examination, including the legal consideration and procedures for incident reporting.
- Describe and perform vital signs used to assess the condition of the patient, including sites for assessment and normal values.

- Define terms related to infection control and the importance of standard precautions and isolation procedures, including sources and modes of transmission of infection and disease and institutional control procedures.
- Outline the steps in the operation and maintenance of suction equipment and oxygen equipment, and demonstrate proper use; and describe the special problems faced in performing procedures on a patient with a tracheotomy, specific tubes, drains and/or catheters.
- Describe the steps in performing various mobile procedures.

**GENERAL EDUCATION OUTCOMES IN THIS COURSE:**

Written and Oral Communication: Communication	<p>* Students will logically and persuasively support their points of view or findings.</p> <p>*Students will communicate meaningfully with a chosen audience while demonstrating critical thought</p>
Scientific Knowledge and Reasoning: Science	<p>* Students will understand and employ the scientific method of inquiry to draw conclusions based on verifiable evidence.</p> <p>* Students will demonstrate critical thinking skills in the analysis of scientific data.</p> <p>*Students will explain the impact of scientific theories, discoveries, or technological changes on society</p>
Society and Human Behavior: Social Science	<p>* Students will demonstrate a general knowledge of political, social and economic concepts and systems and their effects on society.</p>
Technological Competency: Technology	<p>* Students will demonstrate competency in office productivity tools appropriate to continuing their education.</p> <p>*Students will use critical thinking skills for computer-based access, analysis, and presentation of information</p> <p>*Students will demonstrate the skills required to find, evaluate, and apply information to solve a problem</p>

**CORE COURSE CONTENT:**

- Health Care Team
- Professionalism and Communication in Patient Care
- Patient/Radiographer Interactions
- Safety and Transfer
- Evaluating Physical Needs
- Infection Control
- Medical Emergencies
- Trauma
- Reactions to Contrast Agents
- Tubes, Catheters, Lines, and Other Devices
- Mobile and Surgical Radiography

**COURSE ACTIVITIES:**

Course activities vary from course to course and instructor to instructor. Below is a listing of some of the activities students can anticipate in this course:

- ▶ **Writing assignments:** students will analyze current issues in the field using current articles from the popular press as well as library research including electronic resources databases.
- ▶ **Speaking assignments:** students will present research individually or in groups using current technology to support the presentation (e.g., PowerPoint presentation); students will participate in discussions and debates related to the topics in the lessons. Discussions may also focus on cross-cultural and legal-ethical dilemmas as they relate to the course content.
- ▶ **Simulation activities:** Trends and issues will analyzed for their ethical as well as social or legal significance. Students might role-play common situations for classmates to analyze. Current news articles may be used to generate discussion.
- ▶ **Case Studies:** Complex situations and scenarios will be analyzed in cooperative group settings or as homework assignments.
- ▶ **Lectures:** This format will include question and answer sessions to provide interactivity between students and instructor.
- ▶ **Speakers:** Representatives from various related fields may be invited to speak.
- ▶ **Videos:** Related topics will provide impetus for discussion.

### **EDUCATIONAL TECHNOLOGY:**

Rowan College at Burlington County advocates a technology enhanced teaching and learning environment. Advanced technological tools may be used in any course section to facilitate instruction. Many of our sections are web-enhanced, which means that some of your work will be submitted or completed online. Web enhancements may include on-line materials, grade books, testing and quizzes and assignment submission. Many students enjoy the flexibility and convenience that these online enhancements have provided, however if you have concerns about the technology involved, please speak to your instructor immediately.

### **STUDENT EVALUATIONS:**

The student will be evaluated on the degree to which student learning outcomes are achieved. A variety of methods may be used such as tests, quizzes, class participation, projects, homework assignments, presentations, etc.

See individual instructor's course handouts for grading system and criteria (point value for each assessment component in course, e.g. tests, papers, presentations, attendance etc.), number of papers and examinations required in the course, and testing policy including make ups and/or retests.

### **GRADING STANDARD:**

- A Mastery of essential elements and related concepts, plus demonstrated excellence or originality.
- B+ Mastery of essential elements and related concepts, showing higher level understanding.
- B Mastery of essential elements and related concepts.
- C+ Above average knowledge of essential elements and related concepts.
- C Acceptable knowledge of essential elements and related concepts.
- D Minimal knowledge of related concepts.
- F Unsatisfactory progress. This grade may also be assigned in cases of academic misconduct, such as cheating or plagiarism, and/or excessive absences.

For other grades, see the current ROWAN COLLEGE AT BURLINGTON COUNTY catalog.

### **COLLEGE POLICIES:**

The current college catalog and student handbook are important documents for understanding your rights and responsibilities as a student in the RCBC classroom. Please read your catalog and handbook as they supplement this syllabus, particularly for information regarding:

- ▶ Academic Integrity Code
- ▶ Student Conduct Code
- ▶ Student Grade Appeal Process

**OFFICE OF STUDENT SUPPORT AND DISABILITIES SERVICES:**

RCBC welcomes students with disabilities into the college's educational programs. Access to accommodations and support services for students with learning and other disabilities is facilitated by staff in the Office of Student Support (OSS). In order to receive accommodations, a student must contact the OSS, self-identify as having a disability, provide appropriate documentation, and participate in an intake appointment. If the documentation supports the request for reasonable accommodations, the OSS will provide the student with an Accommodation Plan to give to instructors. Contact the Office of Student Support at 609-894-9311, ext. 1208 or visit the website at: [www.rcbc.edu/studentsupport](http://www.rcbc.edu/studentsupport)

**ADDITIONAL SUPPORT/LABS:**

RCBC provides academic advising, student support personal counseling, transfer advising, and special accommodations for individuals with disabilities free to all students through the Division of Student Services. For more information about any of these services, visit the Laurel Hall on the Mt. Laurel Campus, or call (609) 894-9311 or (856) 222-9311, then dial the desired extension:

- Ext. 1557 Academic Advisement and Counseling
- Ext. 1803 Special Populations
- Ext. 2737 Transfer Center

Or visit the following websites:

Academic Advising            [www.rcbc.edu/advising](http://www.rcbc.edu/advising)  
Student Support Counseling   [www.rcbc.edu/counseling](http://www.rcbc.edu/counseling)  
Transfer Center                [www.rcbc.edu/transfer](http://www.rcbc.edu/transfer)

RCBC offers a free tutoring for all currently enrolled students. For more information regarding The Tutoring Center call Extension 1495 at (609) 894-9311 or (856) 222-9311 or visit the Tutoring Center Website at [www.rcbc.edu/tutoring](http://www.rcbc.edu/tutoring)

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