

Bergen Community College
Health Professions Division
Radiation Therapy Technology Program

Course Syllabus

RTT- 110-001 Introduction to Radiotherapy and Patient Care Management

Date of Most Recent Syllabus Revision: Summer, 2018
Course Typically Offered: Fall semester
Syllabus last reviewed by: Curriculum Committee Date: 2005

Course Description

RTT-110-001 Introduction to Radiotherapy and Patient Care Management - This course is an exploration of the foundation of radiation therapy practices and the variety of roles for the professional in the delivery of health care. Principles of practice, professional responsibilities, medical law and ethics will be addressed.
2 lecture / 2 credits
Prerequisites: None
Co-requisites: RTT 120, RTT 121, RTT 130, RTT 150

Student Learning Objectives:

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

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| 1. | Examine the structure of the health care organization with emphasis on the radiation therapist scope of practice and code of ethics for clinical application. |
| 2. | Explain the dynamics of communicating with the cancer patient and family, including end of life issues and patient emotional response. |

3.	Assess the physical condition of the patient before, during and after treatment delivery.
4.	Define the principles of health safety.
5.	Describe the proper care of patients with tubes.
6.	Explain proper use of the principles of patient safety and transfer.
7.	Compare and contrast the use of common medications used in the care of the cancer patient, including indication, administration, side effects and adverse reactions.
8.	Define medical emergency, give examples and describe emergency response procedures.
9.	Explain the Bill of Rights for Patients and provide patient education appropriate for patient needs.
10.	Assess the nutritional status of the cancer patient to provide nutritional education or intervention.
11.	Explain patient care in brachytherapy procedures, including principles of radiation protection.
	Discuss alternative and complementary treatments for cancer.
12.	Identify theories and principles that guide ethical decision making for practice situations.
13.	Define practice situations that carry high potential for dilemmas that require ethical scrutiny including cultural and ethnic diversity.
14.	Differentiate between provider and patient relationships.
15.	Discuss confidentiality and standards of disclosure.
16.	Explain age related ethical issues.
17.	Discuss sources of law, causes of action and litigation processes related to the professional practice of radiation therapy.
18.	Analyze the inter-relatedness of standards of care and ethical standards to negligence, competence, safety issues, risk management and documentation and maintenance of clinical practice records.
19.	

Means of Assessment:

The Student Learning Objectives (SLO) in this course are intended to be aligned with the Patient Care and Education accreditation requirements of The Joint Committee on Education in Radiologic Technology and the New Jersey Department of Environmental Protection. They are also correlated with the content specifications for the national registration examination in Radiation Therapy administered by The American Registry of Radiologic Technologists. Additional student learning objectives may be specified in particular units. The major assessment types (means of assessment) utilized in this course is quizzes and assignments, objective exams, and class participation.

Course Content:

Content is designed to provide the student with foundation concepts and competencies for service delivery in patient care and education, and applied ethics and medical care law relevant to the professional practice of radiation therapy.

Course Website:

RTT 110 - Patient Care and Education is a “web-enhanced” class. The class has its own website and each member of the class has an account for the website. The BCC online course management system is known as “Moodle”. This website will provide the student with review and assessment materials.

Course Texts and/or Other Study Materials:

All text books are available through the Bergen Community College Bookstore.

Washington, Charles M., Leaver, Dennis. Principles and Practice of Radiation Therapy. St. Louis, MO: Mosby Elsevier Publishing, Inc., 4th.ed. 2015. ISBN: 978-0-323-28752-4. (referred to as “W&L”)

Course Requirements and Learning Assessment:

A student’s final grade for the course is based primarily on his or her performance on the required work for the course (quizzes and assignments, examinations and class participation).

Quizzes (30% of final grade)

Students are expected to be prepared for a quiz in each lecture session. Missed quizzes may not be made up.

Assignments (15% of final grade) Homework assignments will be used to reinforce classroom presentations. The assignments will be collected, graded and returned. Late assignments will not be accepted.

Examinations (50% of final grade)

A mid-term and a final exam will be administered in class. Each exam will be worth 25% of your final grade. The exam schedule will follow the classroom presentation and the content of the exam will be based on the required textbook readings, classroom presentations and handouts. PowerPoint presentations and supplemental handouts are distributed in class and are available through Moodle. Both exams are required. In the event that an exam is missed, the

student will be given a comparable test. A make-up exam is at the discretion of the instructor of the course.

Overall Class Participation (5% of final grade)

In order to participate in particular lectures and discussions, all related reading and assignments must be completed prior to that class session. Please be advised that you must be present to participate, yet that alone does not constitute active participation.

The following behaviors will be utilized to assess class participation:

Positive Behaviors:

1. Attend class regularly and on time and not leave early.
2. Be well-prepared for class by doing assigned reading.
3. Participate appropriately with relevant comments, questions or answers to questions presented in class.
4. Show respect and value for the content of the course.
5. Take all online tests.

Negative Behaviors:

1. Being absent from or being late for class.
2. Leaving class early.
3. Walking out of and coming back into class.
4. Sleeping in class.
5. Devalue the content of the course.
6. Behaving inappropriately in class (e.g., acting silly, conducting private conversations in the back of the room, distracting behaviors such as eating, drinking or chewing gum in class; defacing classroom furniture; etc.)
7. Being impolite, rude, or discourteous to me or to your classmates.
8. Not being adequately prepared for class.
9. Speak without thinking – demonstrate a lack of reasoning and critical thinking skills.
10. Submit research paper late.
11. Be absent for testing.

Negative behavior may result in dismissal of the student from RTT 110 for the day and will result in an unexcused absence.

Grading Policy:

The grading policy and course grade appeal policy of the program are stated in the Radiation Therapy Student Handbook. The program grading policy utilizes the standards of the American Registry of Radiologic Technologist national registry exam.

Letter Grade	Numerical Range	Conversion
A	92% to 100%	Excellent
B+	89% to 91.9%	Very Good

B	83% to 88.9%	Good
C+	80% to 82.9%	Marginal / Acceptable
C	77% to 79.9%	Poor / Failing
I	Incomplete	
E	Unofficial withdrawal	
W	Official Withdrawal	
D / F	Does not apply to RTT courses	
77% is minimal passing cut-off score. There is no extra credit opportunities in this course.		

Attendance Policy:

BCC Attendance Policy: All students are expected to attend punctually 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 are to be established in writing on the individual course outline. Attendance will be kept by the instructor for administrative and counseling purposes.

Radiation Therapy Program Attendance Policy: Classroom attendance policy for the Radiation Therapy Program is stated in the Radiation Therapy Student Handbook. The student is responsible for adherence to this policy.

Attendance Policy in this Course: Students are expected to attend class regularly and punctually and for the full class period. Attendance will be taken at each class session. In the event of a late arrival, the student is expected to enter quietly without disturbing the class. In the event of an absence, it is the responsibility of the student to acquire the missed material. The attendance policy of this course will adhere to the attendance policy of the Radiation Therapy Program as stated in the Radiation Therapy Student Handbook. Absences, lateness and early departures will diminish your overall performance in the course and, subsequently, will increase your risk of diminished performance on the ARRT national registry exam and the administration of responsible patient care. Additionally, the BCC Radiation Therapy Program provides employment assistance upon graduation from the program and ARRT registration; your classroom attendance behavior may be used by your instructor as an indicator to your employment attendance behavior.

Quizzes: If late or absent from class, any quiz given, student will receive a 0 for that quiz.

Other College, Divisional, and/or Departmental Policy Statements

The Radiation Therapy Program adheres to all Bergen Community College policies, including drug and alcohol use and smoking on campus, discrimination and harassment, rules and

regulations governing conduct, rules governing academic integrity and acceptable use of information technology resources as stated in the BCC College Catalog – Policies.
 The Bergen Community College Radiation Therapy Program adheres to a no cell phone policy in the classroom, laboratory and clinic.

Course Outline and Calendar

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

Topic	Presentation/Activities/Assignments	Readings
		W&L_Chapter(s)
1	Cancer: An Overview	1
2	Medical Terminology	
3	Detection and Diagnosis	5
4	Patient Assessment	10
	Mid-Term exam	
5	Pharmacology and Drug Administration	11
6	Ethics and Legal Considerations	2
7	Infection Control	9
8	Education	

9	Patient Care During Brachytherapy	
10	Body Mechanics and Patient Transfer Tubes / catheters / IV's / devices	pp162-164
	Final Exam	