

**Common Course Outline**  
**RTTT 109**  
**Clinical Education II**  
**3 Credits**

**The Community College of Baltimore County**

**Description**

**RTTT 109 – 3 credits – Clinical Education II** expands on the knowledge and skills gained in Clinical Education I. This course applies the material learned in the first year of the program.

**3 Credits: 160 Clinical hours; 2 lecture hours**

**Pre-requisite: RTTT 107; Admission to the Radiation Therapy Program; this course is only offered in the summer**

**Overall Course Objectives**

Upon completion of this course the students will be able to;

1. describe equipment used for patient simulation and treatment;
2. discuss the fundamentals of clinical radiation oncology;
3. apply theoretical concepts to treatment delivery;
4. describe the parameters of treatment field design;
5. identify components of the treatment prescription;
6. position the patient for treatment;
7. properly perform Image Guided Radiation Therapy (IGRT) techniques;
8. verify appropriate monitor units, energy, parameters, etc.; and
9. explain patient procedures.

**Major Topics**

- I. Positioning
  - a. Topographic Anatomy
  - b. Lymphatics
- II. Treatment Portals
- III. Treatment Charts
- IV. Simulation
- V. Image Guided Radiation Therapy (IGRT)
- VI. Treatment Delivery

**Course Requirements**

**Grading/exams:** Grading procedures will be determined by the individual faculty member but will include the following:

Students will take a midterm and a final exam  
Students must pass their final exam with a 75% or higher  
Students must pass their clinical evaluation with a satisfactory  
Students will complete weekly assignments and quizzes

**Other Course Information**

This course is Radiation Therapy core course.

This course is part of a program sequence and offered in the summer only.

Date Revised: 01/09/12