

Common Course Outline
RTTT 202
Clinical Oncology I
3 Credits

The Community College of Baltimore County

Description

RTTT 202 – 3 credits – Clinical Oncology I introduces the development and definition of malignant and abnormal pathology. This course explains basic disease concepts, theories of disease causation, and system-by-system pathophysiological disorders most frequently encountered in clinical practice. The processes involved in the development and classification of both benign and malignant tumors are introduced.

3 credits

Pre-requisites: RTTT 113; Admission to the Radiation Therapy Program; this course is only offered in the fall semester

Co-requisites: RTTT 206 and RTTT 212

Overall Course Objectives

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

1. assess the epidemiological influence in the identification and treatment of pathophysiological disorders;
2. discuss the genetic and epigenetic theories of cancer;
3. discuss tumor classification based on the histology and tumor characteristics;
4. discuss principles of staging and grading;
5. differentiate between the processes of various types of cellular and tissue injury;
6. define terminology used in the study of cancer;
7. examine the role of nutrition and genetics in pathophysiologic disorders;
8. differentiate between the effects of benign and malignant neoplasms;
9. differentiate between the processes involved in pathogenesis and carcinogenesis; and
10. analyze the methods of metastasis based upon cancer origin.

Major Topics

- I. Cancer Pathology
- II. Cancer Epidemiology
- III. Terminology
- IV. Staging
- V. Grading
- VI. Neoplasms
- VII. Pathogenesis

VIII. Carcinogenesis

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 will complete weekly quizzes and assignments

Other Course Information

This course is a Radiation Therapy core course.

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

Date Revised: 02/25/12