

Common Course Outline
RTTT 202
Clinical Oncology I
3 Credits
The Community College of Baltimore County

Description

Clinical Oncology I introduces the development and definition of malignant and abnormal pathology. The pathology explains basic disease concepts, theories of disease causation, and system-by-system pathophysiologic disorders most frequently encountered in clinical practice. The processes involved in the development and classification of both benign and malignant tumors and site-specific information on malignant tumors is presented.

3 credits; 3 lecture hours; 0 laboratory hours required.

Prerequisite: RTTT 111

Overall Course Objectives

Upon completion of this course the student 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 pathogenesis and tumor characteristics;
4. discuss principles of staging and grading process;
5. differentiate between the processes of various types of cellular and tissue injury and adaptive mechanisms;
6. define terminology used in the study of the 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

IX. Route of metastasis

Course Requirements

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

1. Group presentation
2. A minimum of at least one exam