

Common Course Outline
RTTT 103
Diagnostic Sectional Anatomy
2 Credits

The Community College of Baltimore County

Description

RTTT 103 – 2 credits – Diagnostic Sectional Anatomy explores sectional and basic anatomy via diagrams and multiple radiological modalities.

2 Credits

Pre-requisite: RTTT 101; Admission to the Radiation Therapy Program; this course is only offered in the fall semester

Co-requisites: RTTT 105, RTTT 111, and RTTT 125

Overall Course Objectives

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

1. differentiate between sagittal, coronal and axial planes of the body;
2. identify topographical anatomy used to locate underlying internal structures;
3. review the principles of imaging for imaging modalities;
4. compare the imaging modalities for application to therapy;
5. identify normal anatomical structures on sectional images in all modalities;
6. identify the differences in image production of the various modalities; and
7. identify the major components of the various units.

Major Topics

- I. Anatomical Planes of the Body
- II. Topographical Anatomy
- III. CT
- IV. MRI
- V. Ultrasound
- VI. Nuclear Medicine
- VII. Image Guided Radiation Therapy (IGRT)

Course Requirements

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

Students will take a mid-term and a final exam
Students must pass their final exam with a 75% or higher
Students will complete weekly assignments
Students will complete weekly quizzes

Other Course Information

This course is a Radiation Therapy core course.
This course is taught in a computerized environment.
This course is part of a program sequence and offered in the fall only.

Date Revised: 02/25/12