Common Course Outline
RTTT 129
Trends in Radiation Therapy
2 Credits

The Community College of Baltimore County

Description

RTTT 129 – 2 credits – Trends in Radiation Therapy provides the student with an overview of the current trends and advances in the field of radiation therapy. Students are expected to attend scheduled conferences and field trips.

2 Credits
Pre-requisites: RTTT 101; Admission to the Radiation Therapy Program; this course is only offered in the spring semester
Co-requisites: RTTT 204, RTTT 208 and RTTT 214

Overall Course Objectives

Upon completion of this course the students will be able to:
1. describe the principle advantages and disadvantages of each modality presented;
2. describe the equipment needed for each application;
3. identify site-specific modalities;
4. discuss functionality of various immobilization devices;
5. identify radioactive sources used in brachytherapy applications;
6. prepare and/or update professional resume;
7. discuss radiation therapy billing practices;
8. present alternative treatment therapies; and
9. present radiation therapy related careers.

Major Topics

   I.   Intensity Modulated Radiation Therapy (IMRT)
  II.   Stereotactic Radiosurgery (SRS)/Stereotactic Radiotherapy (SRT)
 III.   Cyberknife
 IV.   Tomotherpay
  V.   Image Guided Radiation Therapy (IGRT)
 VI.   Career Preparation

Course Requirements

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

Students must make a minimum of 2 presentations, 5-10 minutes long, regarding alternative careers and alternative medicine; a minimum of 3 sources must be used
Students are required to use appropriate academic resources
Student must attend all schedule events (ex. Speakers, field trips, etc…)

Other Course Information

This course is a Radiation Therapy core course.
This course is part of a program sequence and offered in the spring only.

Date Revised: 02/25/12