

MASTER SYLLABUS

COURSE NUMBER AND TITLE: RAD 440-2 Seminar in Radiation Therapy

Course Description

This course is designed to prepare the student to challenge the American Registry of Radiologic Technologists Radiation Therapy exam. During this course the student will take mock registry exams in the specialty of radiation therapy and go through review materials. A portion of this course is on-campus. Professional development is addressed. Prerequisite: RAD 420.

Course Objectives

1. To prepare the student to successfully challenge the registry exam.
2. Formulate strategy for professional development.

TOPICAL OUTLINE:

1. Resume
2. Nomenclature.
3. Dose calculation parameters.
4. Practical calculation methods.
5. Gap calculations.
6. Irregular field calculations.
7. Beam modifiers.
8. Isodose distributions and factors that affect isodose distributions.
9. Electron beam parameters and dosimetry.
10. Mock exams

MEANS OF STUDENT EVALUATION:

Grading Scale

A = 100 - 93
B = 92 - 85
C = 84 - 77
D = 76 - 70
F = 70 and below

A Course grade of a “B” or better is required in RAD 440 to successfully graduate from the radiation therapy program.

PREREQUISITES: Instructor approval.

Required Text and Materials

A Radiation Therapy review book will be required for this course. A student will need to have access to the Internet as Desire2Learn will be used as well.