

El Paso Community College
Syllabus
Part II
Official Course Description

SUBJECT	<u>Radiation Therapy Technology</u>
COURSE RUBRIC AND NUMBER	<u>RADT 2331</u>
COURSE TITLE	<u>Technical Procedures III</u>
COURSE CREDIT HOURS	<u>3 2 :</u> Credits Lec Lab

I. Catalog Description

Continues the skill development in therapeutic practices relating to the field of radiation therapy with special emphasis on advanced treatment planning with relation to simulation procedures and equipment operation. A grade of a “C” or better is required to take the next course. **Corequisite: RADT 2266. (2:2). Lab fee.**

II. Course Objectives

Upon satisfactory completion of this course, the student will be able to

- A. Operate therapy equipment according to operator’s manual.
- B. Demonstrate and critique positions and movements used in radiation therapy technology through role-playing between patient and radiation therapist/student.
- C. Identify/record all measurements and information necessary in treatment chart and plan.
- D. Evaluate patient’s physical needs.
- E. Provide appropriate patient education following patient assessment.
- F. Recognize radiation side effects and complications.
- G. Explain the dynamics of communicating with the cancer patient and family.
- H. Reproduce patient set-ups/simulation as required by treatment plan for a wide variety of treatment sites and techniques.
- I. Set appropriate controls in console.
- J. Demonstrate simulation skills for a variety of treatment sites and techniques.
- K. Identify the function of equipment and accessories.
- L. Compare portal images to simulation images for accuracy.
- M. Identify calculation principles and other treatment planning data.
- N. Demonstrate treatment machine warm-up, safety, and QA checks.

III. THECB Learning Outcomes (WECM)

- 1. Identify site specific anatomy.
- 2. Perform a variety of simulation techniques, procedures and equipment operations.

IV. Evaluation

- A. Methods:
1. Labs/Assignments/Quizzes
 2. Unit Examinations
 3. Comprehensive Final Examination
- B. Grading Scale:
- 93 - 100 = A
85 - 92 = B
75 - 84 = C
74 and below = F

A grade of 75% or above is required to successfully complete this course.

V. Disability Statement (American with/Disabilities Act [ADA])

EPCC offers a variety of services to persons with documented sensory, mental, physical, or temporary disabling conditions to promote success in classes. If you have a disability and believe you may need services, you are encouraged to contact the Center for Students with Disabilities to discuss your needs with a counselor. All discussions and documentation are kept confidential. Offices located: VV Rm C-112 (831-2426); TM Rm 1400 (831-5808); RG Rm B-201 (831-4198); NWC Rm M-54 (831-8815); and MDP Rm A-125 (831-7024).

VI. 6 Drop Rule

Students who began attending Texas public institutions of higher education for the first time during the Fall 2007 semester or later are subject to a 6-Drop limit for all undergraduate classes. Developmental, ESL, Dual Credit and Early College High School classes are exempt from this rule. All students should consult with their instructor before dropping a class. Academic assistance is available. Students are encouraged to see Counseling Services if dropping because exemptions may apply. Refer to the EPCC catalog and website for additional information.