

El Paso Community College
Syllabus
Part II
Official Course Description

SUBJECT AREA	<u>Radiation Therapy Technology</u>
COURSE RUBRIC AND NUMBER	<u>RADT 1246</u>
COURSE TITLE	<u>Technical Procedures II</u>
COURSE CREDIT HOURS	<u>2 1 :</u> Credits Lec Lab

I. Catalog Description

Continues skill development in therapeutic practices relating to the field of radiation therapy, with emphasis on intermediate patient set-up treatment techniques and introduction to simulation procedures. A grade of a "C" or better is required to take the next course. **Prerequisite: RADT 1205. Corequisite: RADT 1266. (1:3). Lab fee.**

II. Course Objectives

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

- A. Operate radiation 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 physical patient 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. Explain the function of equipment and accessories.
- L. Compare portal images to simulation images for accuracy.
- M. Utilize calculation principles and other treatment planning data.
- N. Perform treatment machine warm-up and safety and QA checks.

III. THECB Learning Outcomes (WECM)

1. Perform treatment set-ups.
2. Identify the principles surrounding intermediate level set-ups.
3. Apply the basic parameters surrounding the simulation process.
4. Perform basic simulation procedures.

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.