

El Paso Community College

Syllabus

Part II

Official Course Description

SUBJECT AREA	<u>Radiation Therapy Technology</u>
COURSE RUBRIC AND NUMBER	<u>RADT 2301</u>
COURSE TITLE	<u>Oncology I</u>
COURSE CREDIT HOURS	<u>3 3 : 0</u> Credits Lec Lab

I. Catalog Description

Presents fundamentals of radiation oncology. Studies malignant conditions, their etiology, treatment and prognosis, psycho-social effect of the disease patient care skills. A grade of a "C" or better is required to take the next course. **(3:0)**.

II. Course Objectives

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

- A. Discuss the principles of the normal cell, inflammation, and repair mechanisms.
- B. Discuss the development and definition of malignant and abnormal pathology.
- C. Describe tumor development, grading, and staging systems.
- D. Identify sites where tumors arise.
- E. Identify etiologic factors and discuss their effect on the human body.
- F. Explain detection, diagnosis, and staging for each neoplastic site.
- G. Discuss the clinical presentation for each anatomic/neoplastic site.
- H. Examine the role of surgical, radiation, and medical oncology and immunotherapy in the management of neoplastic disease.
- I. Identify and explain the treatments of choice for each neoplastic site.
- J. Distinguish treatment techniques for each neoplastic site.
- K. Examine treatment regimens and fractionalization schemes used in definitive and palliative disease management.
- L. Identify critical structures and explain tolerance doses and risks associated with exceeding dose limits.
- M. Describe specific acute and chronic effects and complications.
- N. Discuss prognostic factors for specific cancers.
- O. Explain patient education, assessment, and care as related to treatment site.
- P. Discuss the impact of psycho-social effects of the disease with cancer patients.
- Q. Discuss the role of radiation therapy in the management of oncology emergencies.

III. THECB Learning Outcomes (WECM)

- 1. Describe the theories behind the development and treatment of cancer.
- 2. Identify diagnostic and staging procedures, various treatment modalities, and prognostic factors surrounding malignant diseases.

IV. Evaluation

A. Grading Scale

93 – 100 = A
85 - 92 = B
75 - 84 = C
74 and below = F

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.