

**Virginia Western Community College**  
**COURSE SYLLABUS**

**I. COURSE NUMBER** ROC 125

**II. COURSE TITLE** Pre-Clinical Techniques in Radiation Oncology

**III. CREDIT HOURS** 2

**IV. CONTACT HOURS** 30

**V. COURSE PREREQUISITES** None

**VI. COURSE DESCRIPTION**

This course focuses on basic technical skills in preparation for patient set up and treatment in the clinical setting. Emphasis will be on simulation and treatment parameters. The student will gain an understanding of basic technical and patient care skills through phantom and lab work prior to direct contact.

**VII. COURSE OBJECTIVES**

1. Demonstrate proper manipulation and operation of treatment
2. Demonstrate proper radiation safety practices and procedures.
3. Identify appropriate referral channels.
4. Practice basic patient care skills for patients undergoing radiation therapy treatments.
5. Participate in lab demonstrations of pre-clinical concepts for performing radiation treatments.
6. Demonstrate an understanding of the construction of radiation therapy treatment devices.
7. Develop an understanding of the importance of equipment and patient safety.
8. Develop an understanding of the emotional and physical needs of a cancer patient.

**VIII. REQUIRED TEXT**

Washington, C. and Leaver, D. (2016). *Principles and practice of radiation therapy* (4<sup>th</sup> ed.). St. Louis, MO: Mosby Co. ISBN 978-0-323-28752-4

Vann, A., Arazie, J., Sutton, M. (2010). *Radiation Therapy Essentials Board Preparation Tool*. RadOnc Publications IBSN: 978-0-615-41665-6

**IX. GRADING FORMAT**

A = 95 – 100

B = 88 – 94

C = 81 – 87

F = 80 and below

**X. METHOD OF EVALUATION**

Tests	52%
Final Exam	25%
Attendance/Homework	13%
Project	10%

**XI. ACADEMIC HONESTY**

This course will follow the VWCC Student Conduct policy found in the online VWCC Student Handbook under the “VWCC Course Policies” tab. If a student is found cheating on any assignment, test, or quiz a grade of “F” will be awarded

**XII. CLASS EXPECTATIONS**

Students are expected to be prompt and will not be given credit for attending class if entering ten minutes after class has started. No makeup tests will be given unless a legitimate written excuse; i.e. illness or prior notification is provided. Grades will be modified for late or missed assignments.

**MAKE UP/LATE WORK POLICY**

Submit assignments ON TIME. As responsible learners, you need to manage your learning schedules and finish all assignments on time. Assignments submitted past the stated due date will be lowered one letter grade per day late. A grade of “0” will be given for any assignment not turned in.

**XIII. INCLEMENT WEATHER**

In the event of a college closing due to inclement weather on a testing day, the deadline for taking the test will be extended 24 hours or an additional day when the college re-opens.

College inclement weather link:

<http://www.viriniawestern.edu/about/inclementweather.php>

Students should try to take tests/exams before the deadline. In the case of inclement weather which closes the student learning center, the instructor will extend the deadline the number of days that the learning center was closed. In the case of extreme weather, the instructor will work with the student to make suitable arrangements.

**XIV. STUDENT RESOURCES**

Additional student resources are available under the Student Resources tab on Blackboard.

**XV. INSTRUCTORS**

Brenda Greenway BS, R.T. (R) (T)

Email: [bgreenway@viriniawestern.edu](mailto:bgreenway@viriniawestern.edu)

Phone: (540)857-6126

Office Location: The Fralin Center-HP 222

Office Hours: Mondays 9-12 & 2-4:30 and Thursdays 9-12 & 2-3:30

Tillie Conner MS R.T. (R) (T)

Email: [mconner@viriniawestern.edu](mailto:mconner@viriniawestern.edu)

Phone: (540) 857-6104

Office Location: The Fralin Center-HP 222

Office Hours: Mondays 9-12 & 2-4:30 and Thursdays 9-12 & 2-3:30

**The instructors will respond to emails within 72 hours.**