

**Virginia Western Community College**  
**ROC 131**  
**Clinical Clerkship 1**

**Prerequisites**

None

**Course Description**

The student is introduced to the clinical setting and the basics of radiation oncology. The student gains experience in basic technical and patient care skills through supervised direct patient contact and phantom work.

**Semester Credits: 4    Lecture Hours: 0    Lab/Clinical/Internship Hours: 15**

**Required Materials****Textbook:**

Washington, C. and Leaver, D. (2010). Principles and practice of radiation therapy. (3rd edition) MO: Mosby Co. ISBN 13: 978-0-323-05362-4

**Other Required Materials:**

Radiation Oncology Clinical Handbook

**Course Outcomes**

**At the completion of this course, the student should be able to:**

1. The student is introduced to the clinical setting and the basics of Radiation Oncology. The student gains experience in basic technical and patient care skills through supervised direct patient contact and phantom work. Develop competency in the performance of basic simulation and treatment procedures.
2. Demonstrate proper manipulation and operation of treatment and simulation equipment.
3. Demonstrate proper radiation safety practices and procedures.
4. Identify appropriate referral channels.
5. Practice basic patient care skills for patients undergoing radiation therapy treatments.
6. Participate in lab demonstrations and simulated procedures of radiation therapy examinations under study.
7. Identify anatomy displayed on simulation and port films.
8. Display self-kept records of radiation therapy procedures in which the student has assisted and performed.

9. Develop and present a case study which allows the student to become more familiar with the cancer patient and the differences with each cancer case.
10. Demonstrates the ability to apply basic clinical concepts learned in the classroom.

### **Topical Description**

	Subject	Reading Assignment
Unit I	<b>GYN</b>	<b>W &amp; L</b> pages 807-820 <b>Radiation Therapy Essentials</b> pgs. 33-35 (cervix, endometrium & vagina) & 92-93 (abdomen/lower back)
Unit II	<b>Port Film Change Techniques/Scenarios</b>	Handout in Class
Unit III	<b>Chemotherapy ppt Test One</b>	Handouts in Class
Unit IV	<b>Breast</b>	<b>Radiation Therapy Essentials</b> pgs. 25-26 (Breast), 149 (Tumors of the breast)-152, pg. 87 (skin reactions)
Unit V	<b>Breast</b>	<b>W &amp; L</b> pages 879-892
Unit VI	<b>CNS CSI ppt Test Two</b>	<b>W &amp; L</b> pages <b>757-761</b> <b>Radiation Therapy Essentials</b> pgs 37-40, 89 (Scalp side effects), 159 (CNS) - 165
Unit VIII	<b>Esophagus/Stomach</b>	<b>W &amp; L</b> pages 786-791 <b>Radiation Therapy Essentials</b> pgs. 24 (Esophagus), 29 (Stomach), 152 (Tumors of the Abdomen)-153
Unit IX	<b>Colon/Rectum/Anus</b>	<b>W &amp; L</b> pages 771-779, 780-781 <b>Radiation Therapy Essentials</b> pgs. 29 (Pelvic Cancers)-30, 154 (Tumors of the Pelvis) - 156
Unit X	<b>Pancreas Test Three</b>	<b>W &amp; L</b> pages 795-797 <b>Radiation Therapy Essentials</b> pg. 28 (Pancreas)
Unit XI	<b>Pituitary/Pediatrics</b>	<b>W &amp; L</b> pages 655-657, 908 <b>Radiation Therapy Essentials</b> pgs. 21, 40 (Solid Tumors of Childhood) -43