

**Virginia Western Community College**  
**ROC 232**  
**Clinical Clerkship 1V**

**Prerequisites**

ROC 231

**Course Description**

The student performs intermediate procedures with minimal assistance and demonstrates comprehension of tasks related to complex procedures. During this clerkship, the student should demonstrate the ability to work more independently.

**Semester Credits: 5    Lecture Hours: 0    Lab/Clinical/Internship Hours: 25**

**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

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

**Other Required Materials:**

Radiation Oncology Clinical Handbook

**Course Outcomes**

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

1. Demonstrate proficiency in the performance of basic simulation and treatment procedures.
2. Continues development of competency in the performance of complex treatment and simulation procedures.
3. Develop competency in dosimetry, beam modification devices and brachytherapy procedures.
4. Demonstrate proper manipulation and operation of treatment and simulation equipment.
5. Demonstrate proper radiation safety practices and procedures.
6. Propose referrals using the appropriate channels.
7. Demonstrate proficiency in the performance of intermediate patient care skills for patients undergoing radiation therapy treatments
8. Develop competency in obtaining and evaluating port films.
9. Identify anatomy displayed on simulation and localization films.
10. Manage self-kept records of radiation therapy procedures in which the student has assisted and performed.

	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

### **Topical Description**

[ADA Statement](#) (PDF)

[Title IX Statement](#) (PDF)

