

**Virginia Western Community College**  
**ROC 231**  
**Clinical Clerkship 111**

**Prerequisites**

ROC 132

**Course Description**

A continuation of Clinical Clerkship II, the student will be introduced to intermediate and complex treatment and simulation procedures as well as dosimetry, beam modification devices and brachytherapy competencies. The student should demonstrate proficiency in equipment manipulation and intermediate patient care skills.

**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. IBSN: 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. Develop competency in the performance of intermediate and complex treatment and simulation procedures.
3. Develop competency in the construction and use of beam modification and patient immobilization devices.
4. Demonstrate proper manipulation and operation of treatment and simulation equipment.
5. Demonstrate proper radiation safety practices and procedures.
6. Propose referrals using 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 port films.
10. Display self-kept records of radiation therapy procedures in which the student has assisted and performed.

### Topical Description

	Subject	Reading Assignment
Unit I	<b>GYN</b>	<b>W &amp; L pages 807-820</b> <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</b>	Handouts in Class
	<b>Test One</b>	
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 pages 879-892</b>
Unit VI	<b>CNS CSI ppt</b>	<b>W &amp; L pages 757-761</b> <b>Radiation Therapy Essentials</b> pgs 37-40, 89 (Scalp side effects), 159 (CNS) - 165
Unit VII	<b>Test Two</b>	
Unit VIII	<b>Esophagus/Stomach</b>	<b>W &amp; L pages 786-791</b> <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 pages 771-779, 780-781</b> <b>Radiation Therapy Essentials</b> pgs. 29 (Pelvic Cancers)-30, 154 (Tumors of the Pelvis) - 156
Unit X	<b>Pancreas</b>	<b>W &amp; L pages 795-797</b> <b>Radiation Therapy Essentials</b> pg. 28 (Pancreas)
	<b>Test Three</b>	
Unit XI	<b>Pituitary/Pediatrics</b>	<b>W &amp; L pages 655-657, 908</b> <b>Radiation Therapy Essentials</b> pgs. 21, 40 (Solid Tumors of Childhood) -43