

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. (2020). Principles and practice of radiation therapy. (5th edition) MO: Mosby Co. ISBN 13: 978-0-323-59695-4

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

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