

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	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