

# Cover Page

## ROC 121 Radiation Oncology/Pathology II

Program Head: Matilda Conner

Dean's Review:

Dean's Signature: \_\_\_\_\_ Date Reviewed: \_\_\_/\_\_\_/\_\_\_

VIRGINIA WESTERN COMMUNITY COLLEGE  
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# Radiation Oncology/Pathology II

## Course Outcomes:

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

1. Apply terminology to anatomy discussed.
2. Using diagrams label and identify anatomical structures.
3. For each cancer reviewed, identify etiology, presenting symptoms, pathology, staging, patterns of spread, and prognosis.
4. Identify lymphatic channels for each site.
5. Identify radiation dosage and describe the radiobiological responses associated with each anatomical site.
6. Discuss the rationale behind each treatment technique.
7. Demonstrate without assistance the basic treatment technique for each anatomical site.

## Required Materials:

Internet access is required

## Textbook:

Washington, C. and Leaver, D. (2016). *Principles and practice of radiation therapy* (4<sup>th</sup> ed.). St. Louis, MO: Mosby Co. ISBN 978-0-323-28752-4

Alcamo, I. and Krumhardt, B. (2004). *Anatomy and physiology the easy way* (2<sup>nd</sup> ed.). Barron's Educational Services. ISBN 13:978-0-7641-1979-8

The following supplementary materials are available:

1. Portal Design in Radiation Therapy, 2<sup>nd</sup> ed. ISBN: 9780964271517

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## Topical Description:

Unit I	Gynecological Tumors Principles and Practice of Radiation Therapy Anatomy and Physiology the Easy Way Test I	Ch. 36 Ch. 23
Unit II	Breast Cancer Principles and Practice of Radiation Therapy Anatomy and Physiology the Easy Way Test II	Ch. 38 Ch. 23
Unit III	Central Nervous System Tumors Principles and Practice of Radiation Therapy Anatomy and Physiology the Easy Way Test III	Ch. 34 Ch. 10, 11
Unit IV	Digestive System Tumors Principles and Practice of Radiation Therapy Anatomy and Physiology the Easy Way Test IV	Ch. 35 Ch. 18
Unit V	Endocrine System Tumors Principles and Practice of Radiation Therapy Anatomy and Physiology the Easy Way Test V	Ch. 31 Ch. 13
Unit VI	Pediatric Solid Tumors and Leukemia Principles and Practice of Radiation Therapy Anatomy and Physiology the Easy Way Test VI	Ch. 39, 30 Ch. 14

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