



BAKER COLLEGE STUDENT LEARNING OUTCOMES

RDT 3210 Principles & Practice of Radiation Therapy I 4 Semester Hours

Student Learning Outcomes and Enabling Objectives

1. Explore Cancer Terminology.
 - a. Discuss how it relates to Radiation Therapy.
2. Identify equipment/components of radiation therapy treatment and simulation equipment.
 - a. Identify proper names for radiation therapy equipment/components.
 - b. Explain the purpose of radiation therapy equipment/components.
 - c. Explain how various kinds of radiation therapy equipment work.
3. Explore the simulation, localization and treatment process.
 - a. Investigate radiation therapy treatment equipment.
 - b. Examine the radiation therapy treatment process.
 - c. Implement the principles and practice of simulation.
 - d. Properly use simulation equipment.
 - e. Complete a simulated treatment setup.
4. Examine neoplastic disease.
 - a. Explain neoplastic disease prevention, screening, and detection methods.
 - b. Discuss the relationship between diagnosis and staging/grading of neoplastic disease.
 - c. Explain how diagnosis affects methods of treatment.
5. Explore the role of palliation and pain management in the care of radiation therapy patients.
6. Research Benign Conditions treated with Radiation Therapy.

Big Ideas and Essential Questions

Big Ideas

- Equipment
- Simulation, localization, and treatment process
- Neoplastic disease to include:
 - Prevention

- Diagnosis
- Screening
- Detection
- Staging
- Grading
- Treatment plan
- Method of treatment
- Patient care
- Benign conditions

Essential Questions

1. Why is it important to know about radiation therapy equipment and how it works?
2. Why is it important to understand the neoplastic disease process?
3. How does the planning process impact the treatment plan?
4. How does proper planning and treatment affect patient outcomes?

These SLOs are not approved for experiential credit.

Effective: Fall 2018