

RDTH 110C : Principles and Practice of Radiation Therapy I

Provides an overview of cancer and the specialty of radiation therapy. The medical, biological, pathological, physical, and technical aspects will be discussed. The roles and responsibilities of the radiation therapist, the treatment prescription, the documentation of treatment parameters, and delivery will also be discussed.

Credits 4

Lab/Practicum/Clinical Hours 2

Lecture Hours 3

Learning Outcomes

- Describe historical treatment methods in radiation therapy and compare to current treatment methods.
- Discuss a simulation plan for a tumor, including necessary steps before, during and after the procedure.
- Explain the patient care process to include side effects, modifications, and patient education.
- Analyze and evaluate the procedure for radiation treatment delivery.
- Discuss tumor classification based on histology pathogenesis and tumor characteristics.