

RDTH 205C : Treatment Planning

Establishes factors that influence and govern clinical planning of patient treatment. Encompassed are isodose descriptions, patient contouring, radiobiologic considerations, dosimetric calculations, compensation, and clinical application of treatment beams. Optimal treatment planning is emphasized along with particle beams. Sterotactic and emerging technologies are presented.

Credits 3

Lab/Practicum/Clinical Hours 0

Lecture Hours 3

Prerequisite Courses

RDTH 101C

RDTH 110C

Learning Outcomes

- Describe influencing factors of radiation.
- Perform dosimetric calculations.
- Describe moving beam techniques.
- Discuss the importance of preventing overdose and underdose and the techniques used to do so.
- Evaluate and assess a treatment plan.