



Course Description

RAT1001 | Introduction to Radiation Oncology | 2.00 credits

Introduction to the clinical setting in a radiation therapy department. The course includes radiation protection, mathematical concepts in radiation oncology, and medical terminology in the treatment of patients in a radiation oncology setting. Prerequisites: ENC1101, MAC1105, BSC2085, 2085L; Corequisites: RAT1211, 1840.

Course Competencies:

Competency 1: The student will demonstrate a basic understanding of laws related to radiation therapy at both the state and federal levels by:

1. Examine the role of the radiation therapist in the informed consent process, patient rights, and practice standards
2. Apply concepts related to social, political, economic, and historical issues to analyze the different sources of law
3. Analyze the role of the code of ethics, radiation therapy scope of practice, and radiation therapy practice standards as guides to assess the appropriateness of professional actions

Competency 2: The students will Demonstrate a functional knowledge of medical terminology required in radiation therapy by:

1. Identify primary language sources from which medical terms are derived
2. Define medical terms according to essential elements
3. Interpret language, abbreviations, and symbols in the medical record

Competency 3: The students will Convey an understanding of the ethics that impact radiation therapy at both the state and federal levels by:

1. Identify theories and principles that guide ethical decision-making for practice situations
2. Discuss ethical theories and models
3. Discuss the scope of practice for radiation therapy, the code of ethics, and the practice standards
4. Discuss the relationship between ethics and health care policy
5. Examine ethical issues arising daily in a radiation therapy department

Competency 4: The students will Demonstrate knowledge of the foundational principles and practices of radiation therapy by:

1. Differentiate between accreditation, credentialing, certification, registration, licensure, and regulations
2. Discuss the policies and procedures of clinical education settings
3. Discuss the philosophy and mission of healthcare delivery systems and educational programs
4. Explain the purposes, functions, and activities of international, national, state, and local professional organizations

Learning Outcomes:

- Formulate strategies to locate, evaluate, and apply information