

HEALTH PHYSICS

RAD 104

Instructors: Program Faculty
Hours: Fri. 8:30-11:20
Text: "Radiation Protection"
Statkiewicz
"Radiologic Sciences"
Stuart Bushong
Prerequisites: Successful completion of RAD 101 and RAD 102
Semester Schedule: Spring semester of the first year

COURSE DESCRIPTION:

An introduction to ionizing radiation, regarding history, and monitoring safe conditions for both the patient and the technologist. Basic understanding of radiation safety rules and regulations will be learned.

COURSE OBJECTIVES:

After completing this course, the student will be able to:

1. understand and demonstrated knowledge of the need for radiation protection.
2. understand and discuss basic interactions of radiation with matter.
3. demonstrate understanding of the biological effects of radiation.
4. define radiation quantities and units of measurements.
5. understand and use patient protective devices.
6. protect themselves from ionizing radiation.

METHODS:

Lectures, class discussion, audiovisuals, tests, and paper.

EVALUATION SYSTEM:

There will be three tests given each worth 25% for a total of 75%. A cumulative final will be 25% of the final grade. This course must be passed with at least a 75% for continuation in the program.