

# RAD142: Radiation Biology

**Credit Hours:** 3

**Clock Hours:** 45/0/0

Students are introduced to radiation protection concepts and a quick review of the basic interactions of x-radiation with matter. The radiation quantities and units are discussed in relation to limits for exposure to ionizing radiation and protection of the patient and the occupationally exposed personnel during diagnostic radiographic procedures. Cell biology and the structure of the cell are studied in conjunction with the biologic effects of radiation exposure.