

MASTER SYLLABUS

COURSE NUMBER AND TITLE:

RAD 232L-1 Selected Radiography Systems Laboratory

COURSE DESCRIPTION:

This course is designed to instruct the student in the radiographic positioning of the skull, facial bones, paranasal sinuses, mandible, digestive system, urinary system, biliary system, and human reproductive systems. Routine radiographic positioning common to most health facilities will be described, demonstrated and practiced on members of the class in the X-ray labs. If images are taken, phantoms are used in the energized X-ray Labs. Particular emphasis is placed on radiography of the trauma patient. Principles of radiation protection for the patient and the radiographer are practiced as well. One laboratory session per week. Must be taken concurrently with RAD 232. If RAD 232L is dropped then RAD 232 is dropped. Lab fee: \$75.00

All Radiography students must pass each of their Radiologic Science courses (RAD) with a grade of "C" or better (the minimum requirement) in order to satisfy Program requirements, and stay in the Program.

Any Radiography student that does not meet the minimum course requirement (a course grade of "C" or better) will not be allowed to continue in the Program. The student is allowed to re-apply to the Program the following year.

COURSE OBJECTIVES:

1. Apply the principles of radiation protection in the laboratory setting.
2. Apply the principles and concepts of skull positioning in the laboratory.
3. Define and identify skull topographic landmarks.
4. Apply the principles and concepts of paranasal sinuses positioning in the laboratory.
5. Apply the principles and concepts of mandible positioning in the laboratory.
6. Discuss the principles and concepts of digestive and biliary system positioning.
7. Discuss the principles and concepts of the urinary system and reproductive system imaging.
8. Identify anatomy visualized on respective radiographs.

COURSE OUTLINE:

	PERCENTAGE:
1. Radiation protection for patient and radiographer	20%
2. Skull and facial bone positioning	20%
3. Paranasal sinus positioning	20%
4. Mandible positioning	20%
5. Trauma along with digestive, urinary, biliary and reproductive Radiography	20%

MEANS OF STUDENT EVALUATION:

Grading Scale

93 - 100 = A

85 - 92 = B

75 - 84 =C

0 - 74 =F

PREREQUISITES: RAD 222 with a minimum grade of C. Restricted to RADS majors.

Co-REQUISITES: RAD 232 and RAD 212

TEXTBOOKS:

1. Frank, E.D., Long, B.W., Smith, B.J. (Ed.). (2019). Merrill's Atlas of Radiographic Positions and Radiologic Procedures, 14th edition. Volume 2.
2. Frank, E.D., Long, B.W., Smith, B.J. (Ed.). (2019) Merrill's Pocket Guide to Radiography, 14th edition.