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Radiologic Technology Syllabi Fall 2020

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2020

RADT 160 Radiographic Positioning I

Malia Grimm

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College of Professional Sciences – Radiologic Technology Program
RADT 160: Radiographic Positioning I – 2 credit hours

Course Instructors: Abbey Totten, Lecturer
Abbey Totten and Malia Grimm, Lab Instructors
Clinical Instructors

Textbook: Merrill’s Radiographic Positions and Procedures
Vol. I, II, and III

Course Description: Study of radiographic anatomy and positioning which are taught in didactic and laboratory classes to include the chest, bony thorax, abdomen, upper extremity, GI Tract, Biliary System, and Urinary System..

Course Goals: To describe and demonstrate the radiographic positioning terminology, radiographic planes and lines of the human body.(Cc) To describe and demonstrate the routine positioning skills for the chest, abdomen, bony thorax, upper extremity, GI Tract, Biliary System and Urinary System. (Cc) Identify and label the radiographic anatomical structures demonstrated on the radiographic films or anatomy charts. (Ck) (P) In a laboratory setting, simulate the radiographic procedure on a “mock” patient. (P) Evaluate image quality to include positioning, beam restriction, proper technique, and radiographic quality.

Objectives: At the completion of the course, the students will be able to:

1. Describe and demonstrate standard positioning terms. (Cc) (P)
2. Describe positioning aids used if necessary for this course.
3. Describe the positioning techniques for procedures discussed in this course.
4. Evaluate the film in terms of positioning, centering and overall image quality. (Ce)
5. Identify relevant anatomy on the radiographic images as covered in this course. (Ck)
6. Simulate the radiographic procedures on a “mock” patient. (P)
7. Modify standard radiographic positioning to meet the physical condition of the patient. (P) (Ck)
8. Name the contrast media, the usual dosage and the route of administration routinely used for the contrast examination. (Ca)

Class Attendance: A student must attend all lecture and laboratory classes. Attendance is extremely important! If you miss a class, you are responsible for the material covered.

Grading: The quizzes are averaged together and represent one-third of the course grade. Mid-Term is one-third of the course grade and the final exam is one-third of the course grade.

Didactic Grading Scale:

A 95 – 100	A- 93 - 94	B+ 91 - 92	B 88 – 90	B- 86 - 87
C+ 84 - 85	C 80 - 83	C- 78 - 79	D 70 - 77	F 0 - 69

NOTE: You must receive a “C-” letter grade or better in order to proceed to the next semester of the program.

**Subject to change due to the discretion of the course instructor.*

2020 Fall Semester

Lectures: Mondays on campus

Tuesdays = Laboratory at clinical site

Thursdays = Laboratory at clinical site

8 – 17	Orientation – Intro to Terminology 8- 18/20 Tuesday / Thursday Lab
8 – 24	QUIZ : Orientation POSITIONING : Chest 8- 25/27 Tuesday / Thursday Lab
8 - 31	QUIZ : Chest POSITIONING : Abdomen 9-1/3 Tuesday / Thursday Lab
9 - 7	Labor Day - Classes in session on campus QUIZ : Abdomen POSITIONING : Finger, Thumb, Hand, Wrist 9-8/10 Tuesday / Thursday Lab
9 – 14	QUIZ : Finger, Thumb, Hand, Wrist POSITIONING : Radius & Ulna, Elbow 9-15 Campus Holiday - no Tuesday Lab 9-17 labs for both groups
9 – 21	QUIZ : Radius & Ulna, Elbow POSITIONING : Humerus, Shoulder 9-22/24 Tuesday / Thursday Lab
9 - 28	QUIZ : Humerus, Shoulder Review for Mid-Term Exam 9-29/10-1 Tuesday / Thursday Lab
10 - 5	MID – TERM EXAMINATION - comprehensive 10-6/8 Tuesday / Thursday Lab = Midterm Clinical Skills Tests
10 – 12	POSITIONING : Esophagus, UGI 10-13/15 Tuesday / Thursday Lab
10 – 19	QUIZ : Esophagus, UGI POSITIONING : Lower GI Series 10-20/22 Tuesday / Thursday Lab
10 – 26	QUIZ : Lower GI Series POSITIONING : Biliary Tract (Lecture and Lab) 10-27/29 Tuesday / Thursday Lab
11 - 2	QUIZ : Biliary Tract POSITIONING : Urinary Tract NOTE: Remote Class on Tuesday, Nov. 3 - no Tues/Thurs Labs this week
11 - 9	QUIZ : Urinary Tract POSITIONING : Clavicle, Scapula, Sternum 11-10/12 Tuesday / Thursday Lab
11 – 16	QUIZ : Clavicle, Scapula, Sternum POSITIONING: AC Joints, SC Joints, Ribs + Review for Final Exam 11-17/19 Tuesday / Thursday Lab
11-23	Final Examination - comprehensive