RADT 61A Course Outline as of Fall 2000

CATALOG INFORMATION

Dept and Nbr: RADT 61A Title: RAD POSITIONING 1
Full Title: Radiographic Positioning 1
Last Reviewed: 4/24/2023

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	4.00	Lecture Scheduled	3.00	17.5	Lecture Scheduled	52.50
Minimum	4.00	Lab Scheduled	3.00	17	Lab Scheduled	52.50
		Contact DHR	0		Contact DHR	0
		Contact Total	6.00		Contact Total	105.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 105.00 Total Student Learning Hours: 210.00

Title 5 Category:	AA Degree Applicable
Grading:	Grade Only
Repeatability:	00 - Two Repeats if Grade was D, F, NC, or NP
Also Listed As:	
Formerly:	

Catalog Description:
Radiographic anatomy, positioning, and film critique. Instruction includes lecture, positioning demos and practice, and self-paced study utilizing multimedia programs. Students learn to perform radiologic procedures of the chest, abdomen, extremities, hips, and pelvis and to evaluate radiographs for diagnostic quality.

Prerequisites/Corequisites:
Admission to the Radiologic Technology program or possession of licensure as a radiologic technologist.

Recommended Preparation:

Limits on Enrollment:

Schedule of Classes Information:
Description: Radiography of the chest, abdomen, extremities, hips, and pelvis. Instruction includes lecture, positioning demos and practice, and self-paced study utilizing multimedia programs. (Grade Only)
Prerequisites/Corequisites: Admission to the Radiologic Technology program or possession of

licensure as a radiologic technologist.
Recommended:
Limits on Enrollment:
Transfer Credit: CSU;
Repeatability: Two Repeats if Grade was D, F, NC, or NP

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

AS Degree:	**Area**	Effective:	Inactive:
CSU GE:	**Transfer Area**	Effective:	Inactive:
IGETC:	**Transfer Area**	Effective:	Inactive:

CSU Transfer:	Transferable	Effective:	Fall 1981	Inactive:
UC Transfer:		Effective:		Inactive:

CID:

Certificate/Major Applicable:
Certificate Applicable Course

COURSE CONTENT

Outcomes and Objectives:
The students will:
1. Perform correct positioning for radiography of the chest, abdomen, upper and lower extremities, pelvis, hip, shoulders, femur, knee and ankle.
2. Correctly manipulate the radiographic equipment.
3. Demonstrate observance of safety practices.
4. Practice safe radiation protection measures for both patients and staff.
5. When anatomical body parts are named, identify the image quality of the body part in the radiographs.
6. Demonstrate proper body mechanics.

Topics and Scope:

1. Principles of radiographic positioning of chest, abdomen, upper extremities, shoulder girdle, humerus, wrist, pelvis, hip, femur, knee, tibia, and lower extremities.
2. Principles of safety and radiation protection and related equipment:
   A. Safety and radiation protection to patient.
   B. Safety and radiation protection to technologist, physician and ancillary personnel.
   C. Use of anti-scatter grid, cassettes, and accessories.
   D. Comfort measures for the patient.
3. Practice of film critique:
   A. Technical and photographic critiques.

B. Positioning mistakes.
C. Pathology and fracture identification.
D. Establishing the criteria for acceptable diagnostic radiographs.

Assignment:

1. Reading and study of anatomy and positioning modules.
2. Completion of unit assessments.
3. Completion of applied medical terminology definitions.
4. Completion of film critiques.

Methods of Evaluation/Basis of Grade:

Writing: Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

Term papers, Film Critiques, applied medical definitions	Writing 20 - 50%

Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

None	Problem solving 0 - 0%

Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Performance exams, Proctored practice positioning	Skill Demonstrations 20 - 50%

Exams: All forms of formal testing, other than skill performance exams.

Multiple choice, Quizes, Final practical examination	Exams 20 - 50%

Other: Includes any assessment tools that do not logically fit into the above categories.

Attendance	Other Category 5 - 10%

Representative Textbooks and Materials:
- Principles of Radiographic and Procedures Pocket Guide, Carlton, 1999.
- MERRILL'S ATLAS OF RADIOGRAPHIC POSITIONS AND RADIOGRAPHIC PROCEDURES
by P. Ballinger, 1999
- Course syllabus, 2000