

RADT 61A Course Outline as of Fall 1981**CATALOG INFORMATION**

Dept and Nbr: RADT 61A Title: RADIO POSITIONING

Full Title: Radiographic Positioning

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	1.00	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 classroom lecture, positioning demos and practice, and self-paced, individualized study utilizing audio-visual and software programs. Students learn to perform radiologic procedures in effective and safe manners, as well as to evaluate radiographs for problems in positioning.

Prerequisites/Corequisites:

Admission to the Rad Tech Program; English 1A or 84 or 100B; Math 110 or 150B or 151, Anatomy 51 and 52 or equivalent; Physics 61 and 62, completion of or concurrent enrollment in RT 60, RT 64, RT 64L.

Recommended Preparation:

Multi-Media equipment knowledge.

Limits on Enrollment:**Schedule of Classes Information:**

Description: Self-paced, individualized instruction using multi-media accompanied by classroom/lab demos & practice. (Grade Only)

Prerequisites/Corequisites: Admission to the Rad Tech Program; English 1A or 84 or 100B;

Math 110 or 150B or 151, Anatomy 51 and 52 or equivalent; Physics 61 and 62, completion of or concurrent enrollment in RT 60, RT 64, RT 64L.

Recommended: Multi-Media equipment knowledge.

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. Demonstrate proper procedure in positioning patients for radiography of the chest, abdomen, upper and lower extremities, pelvis, hip, shoulder, girdle, femur, knee and ankle.
2. Demonstrate ability to correctly manipulate the radiographic equipment.
3. Demonstrate observance of safety practices.
4. Demonstrate practice of radiation protection measures for both patients and staff.
5. When anatomical body parts are named, identify the location of the body part in the radiographs.
6. Demonstrate proper body mechanics practices.

Topics and Scope:

1. Principles of radiographic positioning and related anatomy: chest, abdomen, upper extremities, shoulder girdle, humerus, wrist, pelvis, hip, femur, knee, tibia, and fibula, ankle, 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 reading the radiographs:

- A. Technical and photographic critiques.
- B. Positioning mistake critiques.
- C. Pathology and fracture identification.
- D. Establishing the criteria for diagnostic radiographs.

Assignment:

1. Reading and study of eight modules that cover anatomy and positioning.
 2. Completion of eight module tests.
 3. Completion of eight quizzes of 30 questions each.
 4. Completion of eleven pages of medical terminology relating to the anatomical structures studied.
 5. Completion of eight film critiques, averages fifteen questions.
- a UIDENT CONFERENCES

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.

None, This is a degree applicable course but assessment tools based on writing are not included because problem solving assessments and skill demonstrations are more appropriate for this course.	Writing 0 - 0%
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Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Homework problems, Quizzes, Exams, MEDICAL TERMINOLOGY DEFINITION	Problem solving 5 - 10%
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Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

Class performances, Performance exams	Skill Demonstrations 30 - 50%
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Exams: All forms of formal testing, other than skill performance exams.

Multiple choice, True/false, Matching items	Exams 20 - 30%
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Other: Includes any assessment tools that do not logically fit into the above categories.

None	Other Category 0 - 0%
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Representative Textbooks and Materials:

MERRILLS ATLAS OF RADIOGRAPHIC POSITIONS AND RADIOGRAPHIC

PROCEDURES

by P. Ballinger.

MERRILLS POCKET BOOK OF RADIOGRAPHIC POSITIONS by P. Ballinger.

RADIOGRAPHIC POSITIONING STUDENT WORKBOOK by Anthony Bontrager.