

**RADT 61B Course Outline as of Fall 2018****CATALOG INFORMATION**

Dept and Nbr: RADT 61B Title: RAD POSITIONING 2

Full Title: Radiographic Positioning 2

Last Reviewed: 4/24/2023

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	3.00	Lecture Scheduled	2.00	17.5	Lecture Scheduled	35.00
Minimum	3.00	Lab Scheduled	3.00	17.5	Lab Scheduled	52.50
		Contact DHR	0		Contact DHR	0
		Contact Total	5.00		Contact Total	87.50
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 70.00

Total Student Learning Hours: 157.50

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 image analysis. Instruction includes lecture, positioning demonstrations, and practice. Students learn to perform radiographic procedures of the digestive, urinary, spine, sternum, ribs, mammography, and to evaluate images for diagnostic quality.

**Prerequisites/Corequisites:**

Course Completion of RADT 61A; Concurrent Enrollment in RADT 71B and RADT 63A

**Recommended Preparation:****Limits on Enrollment:**

Acceptance in program

**Schedule of Classes Information:**

Description: Radiographic anatomy, positioning, and image analysis. Instruction includes lecture, positioning demonstrations, and practice. Students learn to perform radiographic procedures of the digestive, urinary, spine, sternum, ribs, mammography, and to evaluate images for diagnostic quality. (Grade Only)

Prerequisites/Corequisites: Course Completion of RADT 61A; Concurrent Enrollment in RADT 71B and RADT 63A

Recommended:

Limits on Enrollment: Acceptance in program

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:**

Both Certificate and Major Applicable

## **COURSE CONTENT**

**Student Learning Outcomes:**

At the conclusion of this course, the student should be able to:

1. Competently perform radiographic procedures of the digestive tract, urinary tract, vertebral column, ribs, and sternum.

**Objectives:**

At the completion of this course students will be able to:

1. Correctly perform positioning of the entire vertebral column, and urinary system, sternum, mammography, digestive tract, biliary system, and ribs.

2. Correctly manipulate the radiographic equipment and accessories.

3. Practice safe radiation for patients, self, and others.

4. Identify the criteria of proper positioning of body parts on images.

**Topics and Scope:**

All topics presented in lecture and applied in lab:

I. Positioning Demonstrations and Practice

A. Cervical, thoracic and lumbar spine

B. Sacrum and coccyx

C. Upper gastrointestinal tract, biliary system

D. Lower gastrointestinal tract

E. Urinary system

F. Ribs, sternum, sternoclavicular joints

G. Mammography

II. Principles of Radiation Protection for Patient, Technologist, and Other Personnel

III. Evaluation of Images for Technical Critique, Positioning Critique, Pathology Identification, Acceptance Criteria

## Assignment:

### Lecture Related Assignments:

1. Reading and study of 10-15 anatomy and positioning modules
2. Completion of 4-6 quizzes
3. Midterm and final exam

### Lab Related Assignments:

1. Completion of 8-12 written analyses of images
2. Completion of positioning check-offs (not graded)
3. Completion of a final practical exam

## 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.

Image analyses

Writing  
10 - 30%

**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, Practical final exam

Skill Demonstrations  
30 - 40%

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

Quizzes, midterm, and final

Exams  
30 - 40%

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

Attendance and participation

Other Category  
5 - 10%

## Representative Textbooks and Materials:

Merrill's Atlas of Radiographic Positions and Radiologic Procedures. 13th ed. Long, Bruce and Rollins, Jeannean and Smith, Barbara. Elsevier. 2015

Instructor prepared materials