

**RADT 61B Course Outline as of Spring 2017****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           | 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 cystogram, 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:****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 cystogram, 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:

Transfer Credit: CSU;

Repeatability: Two Repeats if Grade was D, F, NC, or NP

## **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

|                      |                      |                      |                  |
|----------------------|----------------------|----------------------|------------------|
| <b>AS Degree:</b>    | <b>Area</b>          | <b>Effective:</b>    | <b>Inactive:</b> |
| <b>CSU GE:</b>       | <b>Transfer Area</b> | <b>Effective:</b>    | <b>Inactive:</b> |
| <b>IGETC:</b>        | <b>Transfer Area</b> | <b>Effective:</b>    | <b>Inactive:</b> |
| <b>CSU Transfer:</b> | Transferable         | Effective: Fall 1981 | Inactive:        |
| <b>UC Transfer:</b>  |                      | Effective:           | Inactive:        |

**CID:**

**Certificate/Major Applicable:**

Both Certificate and Major Applicable

## **COURSE CONTENT**

### **Outcomes and 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, upper and lower intestinal tract, and ribs.
2. Manipulate the radiographic equipment and accessories.
3. Practice safe radiation for patients, self, and others.
4. Name anatomical structures on radiographic images.
5. Identify the criteria of proper positioning of body parts on images.
6. Demonstrate proper body mechanics.

### **Topics and Scope:**

1. Positioning demonstrations and practice of:
  - A. Cervical, thoracic and lumbar spine
  - B. Sacrum and coccyx, sternum
  - C. Upper gastrointestinal tract,
  - D. Lower gastrointestinal tract
  - E. Urinary system
  - F. Mammography, ribs, and sternum
2. Principles of radiation protection for patient, technologist, and other personnel
3. Evaluation of images for technical critique, positioning critique, pathology identification, acceptance criteria
4. Body mechanics
  - A. Principle
  - B. Practice

**Assignment:**

1. Reading and study of 10 - 15 anatomy and positioning modules.
2. Completion of 4 - 5 applied medical terminology definitions.
3. Completion of 6 -8 image analyses.
4. Completion of positioning check-offs (not graded).
5. Completion of 4 - 6 quizzes.
6. 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, term papers

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

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, Frank, E., 2012  
Instructor prepared materials