

**RADT 61C Course Outline as of Fall 2008**

**CATALOG INFORMATION**

Dept and Nbr: RADT 61C      Title: RAD POSITIONING 3  
Full Title: Radiographic Positioning 3  
Last Reviewed: 4/24/2023

| Units   |      | Course Hours per Week |      | Nbr of Weeks | Course Hours Total |       |
|---------|------|-----------------------|------|--------------|--------------------|-------|
| Maximum | 1.00 | Lecture Scheduled     | 1.00 | 9            | Lecture Scheduled  | 9.00  |
| Minimum | 1.00 | Lab Scheduled         | 3.00 | 8            | Lab Scheduled      | 27.00 |
|         |      | Contact DHR           | 0    |              | Contact DHR        | 0     |
|         |      | Contact Total         | 4.00 |              | Contact Total      | 36.00 |
|         |      | Non-contact DHR       | 0    |              | Non-contact DHR    | 0     |

Total Out of Class Hours: 18.00

Total Student Learning Hours: 54.00

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 image analysis. Instruction includes lecture, positioning demonstrations, and practice. Students learn to perform radiographic procedures of the skull, facial bones, orbits, inner ear, mandible, and sinuses, and evaluate images for diagnostic quality.

**Prerequisites/Corequisites:**  
Course Completion of RADT 61B and Concurrent Enrollment in RADT 61CL

**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 skull, facial bones and orbits, inner ear, mandible, and sinuses, and evaluate images for diagnostic quality. (Grade Only)  
Prerequisites/Corequisites: Course Completion of RADT 61B and Concurrent Enrollment in

RADT 61CL

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>          | Effective:           | Inactive: |
| <b>CSU GE:</b>       | <b>Transfer Area</b> | Effective:           | Inactive: |
| <b>IGETC:</b>        | <b>Transfer Area</b> | Effective:           | Inactive: |
| <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:**

By the end of this course students will be able to:

1. Perform correct positioning for the skull, facial bones, inner ear, temporo-mandibular joints, mandible, paranasal sinuses, orbits, and nasal bone examinations.
2. Correctly manipulate the radiographic equipment and accessories.
3. Demonstrate observance of safety practices.
4. Practice safe radiation protection measures for patients, self, and others.
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 and anatomy of:
  - A. skull
  - B. inner ear
  - C. temporo-mandibular joints
  - D. mandible
  - E. paranasal sinuses
  - F. orbits
  - G. nasal bone examinations
2. Landmarks of the head and face
3. Principles of radiation protection to patient, technologist, and ancillary personnel
4. Principles of safe manipulation of the head of a trauma patient

5. Criteria for image analysis to include technical critiques, positioning critiques, pathology identification, and acceptance of diagnostic quality

### Assignment:

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

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, Practical final exam

Skill Demonstrations  
20 - 30%

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

Multiple choice, Quizzes

Exams  
20 - 40%

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

Attendance and participation

Other Category  
10 - 30%

### Representative Textbooks and Materials:

- RADIOGRAPHIC POSITIONS AND RADIOLOGIC PROCEDURES, Ballinger, 8th edition, Mosby, 2005.
- Instructor prepared materials.