

RADT 61C Course Outline as of Fall 2024

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	0.50	17.5	Lecture Scheduled	8.75
Minimum	1.00	Lab Scheduled	1.50	8	Lab Scheduled	26.25
		Contact DHR	0		Contact DHR	0
		Contact Total	2.00		Contact Total	35.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 17.50

Total Student Learning Hours: 52.50

Title 5 Category: AA Degree Applicable  
Grading:            Grade Only  
Repeatability:    43 - No Repeats  
Also Listed As:  
Formerly:

**Catalog Description:**  
In this course, students will study radiographic anatomical positioning and image analysis. Instruction includes lecture, positioning demonstrations, and practice. Students learn to perform radiographic positioning procedures of the skull, facial bones, sinuses, mandible, and temporomandibular joints. Evaluation of radiographic images for diagnostic quality.

**Prerequisites/Corequisites:**  
Course Completion of RADT 61B and Concurrent Enrollment in RADT 71C

**Recommended Preparation:**

**Limits on Enrollment:**  
Acceptance into program

**Schedule of Classes Information:**  
Description: In this course, students will study radiographic anatomical positioning and image analysis. Instruction includes lecture, positioning demonstrations, and practice. Students learn to perform radiographic positioning procedures of the skull, facial bones, sinuses, mandible, and temporomandibular joints. Evaluation of radiographic images for diagnostic quality. (Grade Only)

Prerequisites/Corequisites: Course Completion of RADT 61B and Concurrent Enrollment in RADT 71C

Recommended:

Limits on Enrollment: Acceptance into program

Transfer Credit: CSU;

Repeatability: No Repeats

## **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**

**Student Learning Outcomes:**

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

1. Competently perform radiographic positioning procedures of the skull, facial bones, sinuses, mandible, and temporomandibular joints.

**Objectives:**

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

1. Perform correct positioning for the skull, facial bones, sinuses, mandible, and temporomandibular joints.
2. Correctly manipulate the radiographic equipment and accessories.
3. Practice safe radiation protection measures for patients, self, and others.
4. Critically analyze images to include technical criteria, positioning criteria, anatomical identification, and diagnostic quality.

**Topics and Scope:**

All topics presented in lecture and applied in lab:

I. Principles of Radiographic Positioning and Anatomy

A. Skull

B. Facial bones

C. Temporomandibular joints

D. Mandible

E. Sinuses

II. Landmarks of the Head and Face

III. Principles of Radiation Protection to Patient, Technologist, and Ancillary Personnel

IV. Principles of Safe Manipulation of the Head of a Trauma Patient

## V. Criteria for Image Analysis

- A. Technical criteria
- B. Positioning criteria
- C. Anatomical identification
- D. Acceptance of diagnostic quality

### Assignment:

#### Lecture-Related Assignments:

1. Reading and study of anatomy and positioning modules (6-8)
2. Weekly writing assignments and chapter worksheets (6-8)
3. Quizzes (4-6)
4. Midterm and final exam

#### Lab-Related Assignments:

1. Completion of written analyses of images (6-8)
2. Completion of positioning check-offs
3. Competency demonstrations (20-25)
4. Completion of a final practical competency demonstration

### 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.

Written assignments and chapter worksheets

Writing  
5 - 15%

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

Image analyses

Problem solving  
5 - 15%

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

Competency demonstrations; final practical competency demonstration

Skill Demonstrations  
30 - 40%

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

Quizzes; midterm and final exam

Exams  
30 - 40%

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

None

Other Category  
0 - 0%

**Representative Textbooks and Materials:**

Merrill's Atlas of Radiographic Positioning & Procedures. 15th ed. Long, W. Bruce, Rollins, Hall Jeannean, Smith, J. Barbara. Elsevier. 2023.

Instructor prepared materials