

RADT 61C Course Outline as of Fall 2018**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: 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 and orbits, mandible, 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: 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, mandible, 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: 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 skull, facial bones, mandible, sinuses, and intracranial structures.

Objectives:

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

1. Perform correct positioning for the skull, facial bones, temporomandibular joints, mandible, paranasal sinuses, orbits, and nasal bone.
2. Correctly manipulate the radiographic equipment and accessories.
3. Practice safe radiation protection measures for patients, self, and others.
4. Critically analyze image 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. Paranasal sinuses
- F. Orbits
- G. Nasal bone examinations

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 to Include Technical Criteria, Positioning Criteria, Anatomical Identification, and Acceptance of Diagnostic Quality

Assignment:

Lecture Related Assignments:

1. Reading and study of 6-8 anatomy and positioning modules
2. Completion of 4-6 quizzes
3. Midterm and final exam

Lab Related Assignments:

1. Completion of 6-8 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.

Practical final exam

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.

Attendance and participation

Other Category
5 - 10%

Representative Textbooks and Materials:

Merrill's Atlas of Radiographic Positioning & Procedures. 13th ed. Long, W. Bruce, Rollins, Hall Jeannean, Smith, J. Barbara. Elsevier. 2015
Instructor prepared materials

