

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: 43 - No Repeats
Also Listed As:
Formerly:

Catalog Description:
In this course, students will learn to perform radiographic positioning procedures related to the digestive tract, urinary system, vertebral column, biliary system, ribs, and sternum. Instruction includes lecture, positioning demonstrations, and practice as well as evaluating 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: In this course, students will learn to perform radiographic positioning procedures related to the digestive tract, urinary system, vertebral column, biliary system, ribs, and sternum. Instruction includes lecture, positioning demonstrations, and practice as well as evaluating 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: No Repeats

ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:

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|----------------------|----------------------|----------------------|------------------|
| 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 positioning procedures of the digestive tract, urinary system, entire vertebral column, biliary system, ribs, and sternum.

Objectives:

At the conclusion of this course students should be able to:

1. Correctly perform radiographic positioning procedures related to the digestive tract, urinary system, entire vertebral column, biliary system, ribs, and sternum.
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 and biliary system
- D. Lower gastrointestinal tract
- E. Urinary system
- F. Ribs, sternum, and sternoclavicular joints

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

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

Assignment:

Lecture-Related Assignments:

1. Reading and study of 10-15 anatomy and positioning modules
2. Weekly writing assignments and chapter worksheets (18-20)
3. Quizzes (10-15)
4. Midterm and final exam

Lab-Related Assignments:

1. Completion of written analyses of images (8-12)
2. Completion of positioning check-offs
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.

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| Weekly writing assignments and chapter worksheets |
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| Writing 5 - 15% |
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Problem Solving: Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

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| Image analyses |
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| Problem solving 5 - 15% |
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Skill Demonstrations: All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

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| Competency demonstrations, final practical skills demonstration |
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| Skill Demonstrations 30 - 40% |
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Exams: All forms of formal testing, other than skill performance exams.

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| Quizzes; midterm, and final |
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| Exams 30 - 40% |
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Other: Includes any assessment tools that do not logically fit into the above categories.

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| None |
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| Other Category 0 - 0% |
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Representative Textbooks and Materials:

Merrill's Atlas of Radiographic Positions and Radiologic Procedures. 15th ed. Long, Bruce and Rollins, Jeanne and Smith, Barbara. Elsevier. 2023.

Instructor prepared materials