

Course Information

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| Course Prefix/No.: | RAD 220 |
| Course Title: | Selected Imaging Topics |
| Lecture Hrs.: | 3.0 |
| Lab Hours: | 0.0 |
| Credit Hrs.: | 3.0 |

[Distance Learning Attendance/VA Statement](#)

[Textbook Information](#)

COURSE DESCRIPTION

This course includes instruction in advanced topics unique to radiological sciences.

COURSE COMPETENCIES

Upon successful completion of the course, the student will:

- Evaluate his/her areas of weakness/strength in the following areas of the Radiologic Technology curriculum:
 - Radiation Protection
 - Equipment Operation and Maintenance
 - Image Production and Evaluation
 - Radiographic Procedures
 - Patient Care and Management
- Complete review materials

Module 1

- Analyze familiarity with Radiation Protection practices and procedures

Module 2

- Evaluate Equipment Operation and Maintenance processes

Module 3

- Review and examine Image Production and Evaluation criteria

Module 4

- Define and differentiate Radiographic Procedures from all body systems and exams as presented in previous radiographic positioning course work
- Describe various anatomical details of Radiographic Procedures
- Evaluate exam criteria

Module 5

- Determine proper Patient Care and Management protocols
- Define ethical principles as they apply to imaging professionals
- Relate an understanding of the legal aspects governing imaging professionals and healthcare workers

Module 6

- Construct a personal resume
- Evaluate interview techniques

Module 7

- Analyze areas of strengths and weaknesses as defined by monthly developmental testing
- Determine specific topics of the Radiologic Sciences for clarification

MINIMAL STANDARDS

PERFORMANCE OBJECTIVES: Following classroom instruction and demonstration, the student will be able to complete the above competencies with the program-required minimum of 80% accuracy or above by documentation of completion of each module's assignment and CAI lab exercise score unless otherwise specified.

COURSE REQUIREMENTS

All students are responsible for completing course requirements through the completion of the evaluation instruments and review materials and exercises.

- attending scheduled conferences with instructor
- reading assigned material
- participating in instructional and review activities
- completing CAI assignments

ACADEMIC INTEGRITY

The policies stated in the *YTC Catalog & Handbook* and *Radiologic Technology Student Manual* will be enforced. Any student violating the policy may be subject to academic discipline as stated.

ATTENDANCE POLICY

The attendance policy as stated in the *YTC Catalog & Handbook* and *Radiologic Technology Student Manual* will be enforced; however attendance is calculated into the final grade for the course (see Grading Procedures below).

GRADING PROCEDURES

- The minimum acceptable grade for this course is an 80. Tests will be administered in the CAI format and will be averaged together at the end of the semester to account for 65% of the final grade. A minimum grade of 80% should be attained on all tests. A maximum of three attempts is allowed on each test in order to attain a passing grade (scores on the same exam will be averaged together). A copy of the grade screen for each CAI test must be printed in the lab and signed by one of the CAI lab faculty. There are a number of CAI exams listed on the sheet that is attached. All of these must be completed by the end of the semester. The "official" record will be maintained in the CAI Lab and must be signed by a faculty member.
- In addition, there are also a number of instructional/tutorial software programs in the CAI Lab available for your review. A minimum of eight must be completed. This

accounts for 10% of the final grade. Programs completed in excess of eight will count for bonus points.

- There will also be numerous classroom review activities that will be invaluable to you in the process of reviewing program content. All "hard copy" registry review exercises assigned in class or for homework will be turned in for a daily grade. Late or incomplete papers will be recorded as a 0 for that day. These will count for 10% of the final grade.
- Northwestern Developmental Tests will be given monthly during class time. The grades for these tests will be averaged and serve as 10% of the final grade.
- Attendance is essential to the success of any review course. Attendance will account for 5% of the final grade.

To review the grading procedure for this course:

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|---|-----|
| Average of CAI Tests | 65% |
| % CAI instructional software completed | 10% |
| % "hardcopy" review exercises completed | 10% |
| Average of NW Developmental Tests | 10% |
| Attendance | 5% |

The following grade scale applies:

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|----------|---|
| 93 -100 | A |
| 86 -92 | B |
| 80 -85 | C |
| 70 -79 | D |
| Below 70 | F |

ENTRY LEVEL SKILLS

A student entering this course must be enrolled in the Radiologic Technology Program as a second-year student in the final semester.

PREREQUISITES

RAD 102, RAD 101, RAD 152, BIO 210, BIO 211, RAD 110, RAD 130, RAD 165, RAD 105, RAD 136, RAD 115, RAD 121, RAD 175, RAD 230, RAD 256, RAD 210, RAD 201, RAD 268.

CO-REQUISITES

RAD 278