

## **RADIOLOGIC TECHNOLOGY**

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|--------------------|--------------------------------|
| Course Prefix/No.: | <b>RAD 268</b>                 |
| Course Title:      | <b>ADVANCED RADIOGRAPHY II</b> |
| Credit Hours:      | 8.0                            |
| Lecture Hours:     | 0                              |
| Lab Hours:         | 24.0                           |

### **DISTANCE LEARNING/VA STATEMENT** **TEXTBOOK INFORMATION**

### **COURSE DESCRIPTION**

This course includes routine radiographic examinations, as well as advanced procedures, while continuing to build self-confidence in the clinical atmosphere.

### **COURSE COMPETENCIES**

Utilizing both classroom and clinical instruction received thus far and with appropriate interaction and supervision, the student will be able to perform radiographic procedures in increasingly greater independence by:

#### **Module I: Piedmont Medical Center**

Demonstrating knowledge, application and competency in radiographic exams in:

- fluoroscopy
- urography
- the emergency room
- the operating room and cystography
- portable x-ray
- 2-10 evening clinical rotation
- general diagnostic rooms
- the utilization of Digital Imaging devices

#### **Module II: Springs Memorial Center**

Demonstrating knowledge, application and competency in radiographic exams in:

- fluoroscopy
- urography
- the emergency room
- the operating room and cystography
- portable x-ray
- general diagnostic rooms

### **Module III: Orthopedics**

Demonstrating knowledge, application and competency in radiographic exams in:

- orthopedic exams
- orthopedic office procedures

### **Module IV: Imaging Centers**

Demonstrating knowledge, application and competency in radiographic exams in:

- general diagnostic
- fluoroscopy
- urography

### **Module V: CMC-Union Hospital**

Demonstrating beginning knowledge of Computed Radiography/digital imaging system and its utilization in radiographic procedures such as:

- general diagnostic
- fluoroscopy
- urography
- trauma
- orthopedic

### **Module VI: Elective rotations**

Developing basic understanding of practices in two out of three of the elective modalities of:

- Nuclear Medicine
- ultrasound
- angiography/cardiac catheterization lab

### **Module VII: Computed Tomography**

Developing basic understanding of practices in Computed Tomography. Computed Tomography (elective competencies as per ARRT/ASRT curriculum requirements only)

## **PERFORMANCE OBJECTIVES/MINIMAL STANDARDS**

Performance objectives for each clinical assignment are attached. A program required minimum grade of 80% is required to pass the course. (See Grading Procedures in Student Manual of Radiography Program).

## **METHODS OF INSTRUCTION**

Familiarization with examinations, procedures, image evaluation and equipment will occur through explanation, observation, demonstration, guided practice, and evaluation by supervising technologists and program-appointed clinical instructors. Additional methods designed for remediation or enrichment may be individually tailored as needed.

## **COURSE REQUIREMENTS**

All students are responsible for attaining competencies through the completion of the following course requirements:

- attending clinical assignments and submission of weekly timesheets
- observing and participating in all activities in the clinical assignment
- meeting stated behavioral objectives in all clinical assignments
- completing twelve (12) procedure/image competency examinations required for fall senior semester.
- completing all equipment competency examinations and semester objectives as indicated in the syllabus addendum.
- completing BBP CAI assignment and TB instruction and written evaluation with a minimum score of 80%.
- complete CCA project for assessment.

## **ACADEMIC/ETHICAL 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 for clinical education as stated in the **Radiologic Technology Student Manual** will be enforced. A maximum of nineteen (19) hours sick time are allowed for this semester. Any time missed in excess must be made up during semester break. Any hours missed over 40 will automatically result in a grade of F for the course.

Each student must use the proper procedure for clocking in and out to receive credit for attendance. This will be strictly enforced. If a student is dismissed early by a supervising technologist, then the technologist must notify program faculty of the early dismissal. Notification may occur through E-M on the hospital computer system or through written notification on the student timesheet.

## **GRADING PROCEDURES**

The grading procedures for clinical education courses as stated in the **Radiologic Technology Student Manual** will apply for program continuance. The following method will be used to calculate the final clinical grade:

Reminder: For each weekly rotation in clinical, each student must receive an evaluation from his/her supervisor. If a student fails to receive a signature and an evaluation is not submitted by the technologist, then the student will receive a grade of "0" for that clinical rotation resulting in a 25% decrease of their clinical grade for the month.

As with all RAD TECH CLINICAL courses, the grading scale is as follows:

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

See CLINICAL EDUCATION section in **Radiologic Technology Student Manual** for additional information.

## **CLINICAL EDUCATION SCHEDULE**

Clinical education schedules are mailed to the student during the semester break.

## **ENTRY-LEVEL SKILLS**

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

## **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

## **CO-REQUISITES**

RAD 201, RAD 210