

RADIOLOGIC TECHNOLOGY

Course Prefix No: **RAD 165**
Course Title: **APPLIED RADIOGRAPHY II**
Lecture Hours: **0**
Lab Hours: **15.0**
Credit Hours: **5.0**

[*Distance Learning Attendance/VA Statement*](#)
[*Textbook Information*](#)

COURSE DESCRIPTION

This course includes the use of radiographic equipment and performance of radiographic procedures within the clinical environment of the hospital.

COURSE COMPETENCIES

Upon successful completion of this course the student should be competent in the following:

- Operate the control panel and equipment in each room
- Demonstrate proper patient care of the emergency room patient
- Demonstrate understanding of sterile techniques necessary for the operating room
- Evaluate a radiologic request
- Demonstrate all aspects of clinical performance in assigned rotations, necessary for a competency-based radiologic examination under the evaluation of the instructor
- Evaluate a radiographic image for technique, position, and anatomy
- Use the RIS/HIS and all associated computer-based equipment when necessary

Utilizing both classroom and clinical instruction received thus far and with appropriate interaction and supervision, the student will be able to perform radiographic procedures with 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 radiography
- two 10-evening clinical rotations
- general diagnostic rooms

-the utilization of Digital Imaging devices

Module II: Springs Memorial Hospital

Demonstrating knowledge, application and competency in radiographic exams in:

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

Module III: Orthopedics

Demonstrating knowledge, application and competency in radiographic exams in:

- orthopedic exams
- orthopedic office procedures

Module IV: Imaging Centers/Family Practice Centers

Demonstrating knowledge, application and competency in radiographic exams in:

- general diagnostic
- fluoroscopy
- urography

Module V: Chester Regional Medical Center

Demonstrate knowledge, application and competency in radiographic exams in:

- general diagnostic
- fluoroscopy
- urography
- portable radiography

PERFORMANCE OBJECTIVES/MINIMAL STANDARDS

Performance objectives for each clinical assignment are attached. A minimum grade of 80% is required to matriculate in the Radiography program. Any grade below an 80% will result in removal from the Radiologic Technology program.

METHODS OF INSTRUCTION

Familiarization with examinations, procedures, image evaluation and equipment will occur through explanation, observation, demonstration, guided practice, and evaluation. Additional methods designed for remediation or enrichment may be individually tailored as needed.

ACADEMIC/ETHICAL INTEGRITY

The policies stated in the **YTC catalog** 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. Twelve (12) hours of sick leave are the maximum allowed for this semester's clinical course. 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 and removal from the program.

Each student must use the proper procedure for clocking in and out or use the time sheets with a technologist signature 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.

ENTRY-LEVEL SKILLS

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

PREREQUISITES

RAD 101, RAD 152, RAD 102, BIO 210

CO-REQUISITES

RAD 130, RAD 105, RAD 110

COURSE REQUIREMENTS

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

- attending all clinical assignments
- observing and participating in all activities in the clinical assignment
- meeting stated behavioral objectives in all clinical assignments as documented in the **Radiologic Technology Student Manual**.
- completing seven (7) clinical competency examinations and image evaluations
- completing all required equipment competency evaluations
- completing weekly journal entries as required
- completing CCA project used in Assessment

-completing the Final Examination

GRADING PROCEDURES

The grading procedures for clinical education courses as stated in the **Radiologic Technology Student Manual** will apply.

Attendance	10%
RT Evaluations	20%
Competency Evaluations	20%
Equipment Check-offs	
Semester Objectives (journals, assignments)	25%
Final Exam	25%

The grading scale for RAD clinical courses is as follows:

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

Any grade below 80% is unsatisfactory in any RAD course.

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

Reminder: For each weekly rotation in clinical, each student must receive an evaluation from his/her supervisor. Students are to use the Tech Signature Form located in the back of the syllabus addendum to document that the evaluation was given to the technologist. Upon receipt of the evaluation from the student, the technologist will initial the form in the appropriate area. It is the responsibility of the student to obtain the proper documentation. 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 the clinical rotation.

Effective: SP2007

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