RADIOLOGIC TECHNOLOGY

Course Prefix/No.:	**RAD 278**
Course Title:	**ADVANCED RADIOGRAPHY III**
Credit Hours:	8.0
Lecture Hours:	0
Lab Hours:	24.0

DL ATTENDANCE/VA STATEMENT
TEXTBOOK INFORMATION

COURSE DESCRIPTION

This course includes routine and advanced radiographic procedures in the clinical environment.

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

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

- general diagnostic
- fluroscopy
- urography
- trauma
- orthopedic

Module VI: Elective rotations

Develop basic understanding of practices in two of the elective modalities of:

- Nuclear Medicine
- Radiation Therapy

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 residual image competency examinations required for program
- completion as outlined by Master Competency list found in Student Manual and practice log book and required by ARRT.
- completing all equipment competency examinations and semester objectives as indicated in the syllabus addendum.
- complete Sr. Test Out competencies as required by score of 3 or greater for each exam on a 4 point scale.
- completion of final clinical exam.

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 notifiy 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 spring semester, second-year student in the Radiologic Technology Program.

PREREQUISITES

RAD 102, RAD 101, RAD 152, BIO210, BIO 211, RAD 110, RAD 130, RAD 165, RAD105, RAD 136, RAD 115, RAD 121, RAD 175, RAD 230, RAD 256, RAD 201, RAD 210, RAD 268

CO-REQUISITES

None

Disability Statement: Any student who feels s/he may need an accommodation based on the impact of a disability should contact the Special Resources Office (SRO) at 803-327-8007 in the 300 area of Student Services. The SRO coordinates reasonable accommodations for students with documented disabilities.