

Radiographic Practicum II (RADR 1367)



Credit: 3 semester credit hours (24 hours lab)

Prerequisite/Co-requisite: RADR1366

Course Description

Radiologic Technology Course covering practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. Students make standard radiographs under close supervision by a qualified radiologic technologist. Course requires 24 hours /week in clinical participation.

Required Textbook and Materials

No textbook is required for this clinical course.

Course Objectives

Upon completion of this course, the student will be able to...

1. Maintain proficiency in the previously learned clinical and radiation protection skills
2. Demonstrate proper transportation of patients by wheelchair and stretcher
3. Demonstrate knowledge of standard precautions when providing proper patient assistance and care.
4. Competently radiograph patients under direct supervision using analog and digital image systems.
5. Effectively communicate with patients, technologists, staff, and physicians
6. Exhibit an understanding of professional behavior and teamwork.
7. Demonstrate proper radiation protection practices for self and patient.

Course Outline

1. Serve patients
 - a. positioning skills
 - b. protocols
 - c. proper exposure factors with manual and automated exposure control
 - d. body systems
 - e. radiation protection
 1. determine last menstrual period on child-bearing aged females
 2. shield all patients under 50 years of age
 3. protect self with barriers and shielding when required
 4. wear radiation monitor at collar level
 - f. communication skills
2. Procedures requiring contrast media
 - a. appropriate contrast media
 - b. preliminary film for positioning and technique
 - c. patient history

RADR 1367
Course Syllabus
Spring 2013

- d. preparing contrast media for administration
- e. preparing radiographic or fluoroscopy room
- f. use appropriate radiation protection methods
- g. emergency equipment
- h. administration of contrast media
- i. contrast reactions
3. Portable and surgical procedures
 - a. portable bedside radiography
 - b. open and closed reductions
 - c. operative cholangiography
 - d. hip nailings
 - e. foreign object removal
 - f. radiation protection for self, patient, and other staff
4. Proper patient evaluation
 - a. technical factors
 - b. pathologic conditions, casts, body habitus, trauma, or pediatric patients.
5. Acquiring digital images
 - a. enter patient information
 - b. select exam and views
 - c. Technologist evaluation
 - d. PACS
6. Digital image manipulation
 - a. window and leveling
 - b. annotations
 - c. rotation and flipping
7. Digital exposure indices
 - a. ranges for exams
 - b. kVp and mAs
8. Off-hour rotations
 - a. patient types
 - b. limited personnel
 - c. independence in judgment exhibited by the technologists
 - d. department function
 - e. types and methods exams during these shifts
9. Film Critique
 - a. contrast exams
 - b. portable
 - c. upper and lower limbs
 - d. spines

Grade Scale

- 95 – 100 = A
87 – 94 = B
80 – 86 = C
70 – 79 = D
0 – 69 = F

Course Evaluation

- | | |
|---|-----|
| 1. Task Analysis (6) | 43% |
| 2. Clinical Behavior Report(2) | 43% |
| 3. Written Tests(3-6) & Special Assignment Evaluation | 14% |

Course Requirements

1. Successfully complete six (6) **Task Analysis**; a minimum of one from each of the below listed categories.
 - a. Spines
 - b. Extremities
 - c. Routine Contrast Examinations

Part of the task analysis process is to monitor and correct their performance if repeat radiographs are required. These task analysis are at the discretion of your instructor and they may choose the examinations you are to perform. **A student may be given the opportunity to repeat 1 task analysis during a long semester under the following conditions**

- Repeating the task analysis will change the student's letter grade for the semester
- Repeating the task analysis will not prohibit another student from completing the required Task Analysis.

No task analysis may be repeated after the date assigned by the instructor or after the last clinical behavior report.

2. Receive at least 2 **Clinical Behavior Reports**. They will demonstrate affective skills needed by a professional like: integrity, time management, sociability, and responsibility.
3. Demonstrate critical thinking, problem solving and cognitive skills on **written tests**. Students will have at least three film critique assignments which may be assigned through Blackboard.
4. Students will rotate through evening and weekend shifts. This will be evaluated using the **Special Assignment Evaluation**.

Special Assignment Evaluations must be turned in by the assigned date or a grade of zero will be given for that evaluation.

Failure to successfully complete the course requirements will result in an "I" (Incomplete) in the clinical course. An incomplete must be removed by the next long semester or the (I) will be recorded as an (F) and the student will be required to repeat the clinical course.

*****a minimum of 80% is required for successful completion of this course*****

Course Schedule

This course requires 24 hours per week in the assigned clinical facility. Weekly rotations can be found on the clinic schedule distributed by the instructor.

Contact Information

Instructor Name	Office	Phone	E-mail
Brenda Barrow	232 MPC	880-8848	brenda.barrow@lit.edu
Lisa Bland	230 MPC	839-2040	lisa.bland@lit.edu
Gina McMahan	234 MPC	839-2936	gina.mcmahan@lit.edu
Sheryl Nance	229 MPC	880-8864	sheryl.nance@lit.edu
Samantha Robinson	233 MPC	880-1851	sgrobinson@lit.edu
April Smith	234 MPC	839-2936	alsmith1@lit.edu

Office hours

Clinical instructors are available to assist students at the clinical affiliates from 7:00 – 3:00.

BlackBoard

This course is Web Enhanced. All students will be required to login to **Blackboard at least once a week** to check e-mail and complete assignments. Assignments will be posted throughout the semester. It is your responsibility to meet the deadlines.

Late work will not be accepted. If you are unable to meet a deadline in this course send an e-mail and we will discuss your options.

ATTENDANCE POLICY:

1. For students in the radiology program to acquire the necessary clinical competency outlined in our curriculum, it is necessary that students complete all assigned clinical hours. Therefore, students missing **any** clinical hours will be required to make up hours missed at the end of the semester. Time will be made up after the **last scheduled** clinic day. Students not completing make up time before the grades are due for the semester, will receive an incomplete (I) in the clinical course.
2. Any absence while assigned to a specialty area or off-hour rotation will require the clinical instructor to adjust the clinical schedule to assure all students meet the accreditation guidelines. For example, a student missing a day when assigned to an evening shift will have one of the future clinical days changed to an evening shift. The schedule adjustments will be made by the clinical instructor at their discretion.
3. Students who have tardy time totaling at least one (1) hour will be required to make up all the missed time at the end of the semester. When a student is tardy he/she will not be allowed to make up the time that day. If a student leaves clinic early for any reason, it will be added to the total tardy time.
4. Students who miss a total of 24 hours during a Fall or Spring semester or 21 hours in the Summer semester* **will receive a warning with the Disciplinary Action Form (DAF). When a fourth day is missed a DAF will be filled out and the Student's clinical grade will be lowered one full letter grade. Each subsequent absence may result in dropping of a letter grade pending a review by department committee.**
5. Students who exhibit excessive tardiness will receive a warning with the

DAF. Further tardies will result in disciplinary action which may include an attendance contract and/or lowering of the student's clinical grade.

6. Extenuating circumstances will be taken into account. Extenuating circumstances include funeral of immediate family, maternity, hospitalizations etc.
7. Students who fail to follow proper call in procedures when unable to attend clinic will have their clinic grade lowered one full letter grade for **EACH** day they fail to follow proper call in procedure.

Disabilities Statement

The Americans with Disabilities Act of 1992 and Section 504 of the Rehabilitation Act of 1973 are federal anti-discrimination statutes that provide comprehensive civil rights for persons with disabilities. Among other things, these statutes require that all students with documented disabilities be guaranteed a learning environment that provides for reasonable accommodations for their disabilities. If you believe you have a disability requiring an accommodation, please contact the Special Populations Coordinator at (409) 880-1737 or visit the office located in the Cecil Beeson Building, room 116B.