

Radiographic Practicum IV (RADR 2366)



Credit: 3 semester credit hours (24 hours lab)

Prerequisite/Co-requisite: RADR 1266

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 direct 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.

A computer with internet access is needed for this web-enhanced course.

Course Objectives

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

1. Demonstrate proficiency in the previously learned clinical and radiation protection skills.
2. Use creative thinking, problem solving, and decision making skills to properly serve the patient.
3. Demonstrate positioning skills, knowledge of protocols, exposure factors, body systems, communication skills and radiation protection while performing procedures on atypical patients.
4. Exhibit self-reliance and independent judgment.
5. Show speed in work habits.
6. Produce high quality radiographs.
7. Demonstrate the proper use of annotations, flipping and rotation.
8. Analyze digital images for diagnostic quality.
9. Understand exposure index ranges by calculating correct technique when exposure index is out of range.
10. Demonstrate the ability to perform radiographic examinations on trauma, difficult, or uncooperative patients.
11. Competently perform portable and surgical radiography.
12. Work as a team with first year radiology students on Fridays.
13. Demonstrate affective behaviors consistent with a professional radiographer.
14. Work with minimal or indirect supervision.
15. Observe specialty rotation areas of Imaging Department.

Course Outline

1. Positioning Skills
2. Knowledge of Protocols
3. Exposure Factors
4. Body Systems
5. Communication Skills

RADR 2366
Course Syllabus
Fall 2013

6. Radiation Protection
7. Perform trauma exams with
 - a. Creative Thinking
 - b. Proper Decision Making
 - c. Problem Solving Skills
 - d. Use of immobilization skills
 - e. Adjustment of technical factors
 - f. Adjustment of radiographic equipment
 - g. Use of proper safety equipment and radiation principals
8. Perform Portable and surgical radiography
 - a. Knowledge and expertise in positioning skills
 - b. Adjustment of technical factors
 - c. Radiation protection
 - d. Aseptic Technique
 - e. Sterile Surgical Procedure
9. Rotate through specialty areas
 - a. Punctuality and Availability for exams
 - b. Professional Appearance
 - c. Interest in the area
 - d. Participate
 - e. Communication and Interaction
 - f. Basic Understanding of exams of specialty area
 - g. Radiation protection practices
10. Off -hour rotations
 - a. Difficult or trauma patient
 - b. Technique
 - c. Positioning
 - d. Restraining devices
 - e. Film quality
 - f. Reasoning skills
 - g. Self-esteem and self-management skills
11. Exam Room
 - a. organize information
 - b. pre-set the room
 - c. visualize the exam
12. Teamwork and Leadership skills
13. Film Critique

Grade Scale

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

Course Evaluation

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

Course Requirements

By the end of the semester the student will:

1. Successfully complete six (6) **Task Analysis** from the categories listed below.
 - a. Trauma or difficult patient
 - b. Portable Procedures
 - c. Skull and/or other headwork
 - d. Spines
 - e. Contrast Studies

Part of the task analysis process is to monitor and correct their performance if repeat radiographs are required. These task analyses 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 the 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.
2. Receive at least two (2) **Clinical Behavior Reports**. They will demonstrate affective behaviors 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. Rotate through **Special Assignments**. At least one task analysis should be accomplished during the special assignment.

No task analysis may be repeated after the date assigned by the instructor or after the last clinical behavior report. Special Assignment Evaluations must be turned in by the assigned date or a grade of zero "0" will be given for that evaluation.

Failure to successfully complete all required objectives 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 clinical schedule distributed by the instructor and posted in the Blackboard course.

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 McMahon	234 MPC	839-2936	gina.mcmahon@lit.edu
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Samantha Robinson	233 MPC	880-1851	samantha.robinson@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.