



## **Radiographic Practicum I (RADR 1366)**

**Credit:** 3 semester credit hours (24 hours lab)

**Prerequisite/Co-requisite:** RADR 1309

### **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. Successfully transport patients.
2. Use proper patient care
3. Competently radiograph patients under **direct** supervision
4. Effectively communicate with patients, technologist, staff and physicians
5. Exhibit the ability to work as part of a team within the radiology department.
6. Learn proper radiation protection for patient and radiographer.

### **Course Outline**

1. Office procedures necessary to process and organize requested examinations.
2. Professional behavior and teamwork
3. Working with a diverse population.
4. Proper transportation of patients by wheelchair and stretcher.
5. Standard precautions
6. Patient history
7. Practical use of radiation protection
  - a. Shielding
  - b. Collimation
  - c. Barriers
  - d. Repeat and supervision
8. Processing of radiographs
  - a. Analog images
  - b. Digital
9. Radiographic clinical procedures
  - a. room care and preparation
  - b. measurement of body parts
  - c. selection of proper exposure factors for analog and digital imaging

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### Course Syllabi

- d. positioning of body parts
- e. film placement and identification
- f. tube angulations and alignment
- g. image exposure
- h. time management
- 10. Positioning skills
  - a. Chest (PA & Lat)
  - b. Abdomens or KUB (Preliminary scout films)
  - c. Upper limbs
  - d. Lower limbs
- 11. Film critique
  - a. Contrast
  - b. Density
  - c. Anatomy
  - d. Artifacts
  - e. Positioning
  - f. Image Identification

### 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)         | 14% |

### Course Requirements

By the end of each summer session the student will:

1. Successfully complete 6 Task Analysis, two from each of the following categories:
  - Chest (PA & Lat)
  - Abdomen/KUB
  - Upper and Lower Limbs

Part of the task analysis process is to monitor and correct their performance if repeat radiographs are required. The task analyses are at the discretion of your clinical instructor; they may choose the examination you are to perform. **Students 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** to evaluate affective behaviors needed by professionals such as: 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.

Failure to successfully complete the required objectives will result in an incomplete (I) in the clinical course. An incomplete must be removed by the end of 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\*\*\***

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

### **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**

<b>Instructor Name</b>	<b>Office</b>	<b>Phone</b>	<b>E-mail</b>
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.