



Patient Care (RADR 1203 – 3A2 & 5A2)

INSTRUCTOR CONTACT INFORMATION

Instructor: Brenda A. Barrow, M.Ed., R.T.

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Office Phone: 409-241-9829

Office Location: 232 Multipurpose Center

Office Hours: office hours posted outside door

CREDIT

2 Semester Credit Hours (1 hours lecture, 4 hours lab)

MODE OF INSTRUCTION

This course will be taught face – to – face in a multimedia format. Lectures, videos, demonstrations, discussions, and hands on tasks will be utilized to enhance the cognitive learning process. Students will have outside reading in the semester. The student will be required to utilize both reading and listening skills.

PREREQUISITE/CO-REQUISITE:

Acceptance into the LIT Radiologic Technology Program

COURSE DESCRIPTION

This course introduces the student to patient assessment, infection control procedures, emergency and safety procedures, communication and patient interaction skills, and basic pharmacology. Students will also review radiographic images and identify anatomy, patient position, and exam types.

COURSE OBJECTIVES

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

1. Explain general safety in patient care practices
2. Assess patient conditions.
3. Describe infection control procedures
4. Recognize and respond to emergency and safety procedures
5. Communication and patient interaction skills
6. Identify relevant pharmaceuticals and their application
7. Describe basic medical equipment operations
8. Be able to identify basic anatomy, position, and exam type on radiographic images.

RADR 1203 Patient Care

Course Syllabus – 2026

REQUIRED TEXTBOOK AND MATERIALS

- Adler, Carlton, *Introduction to Radiologic & Imaging Sciences & Patient Care*, 8th edition, Saunders, ISBN# 978-0-323-87220-1
- Lamar Institute of Technology Radiologic Technology Student Handbook A computer with internet access. The computer must be able to run current programs and platforms such as Windows 10 and the internet must be reliable and robust. The course has an online component and will move to a fully online format if necessary. The computer must have a camera and microphone for online conferencing.
- Chrome seems like the best browser to play videos.
- 882 scan-trons x 3

COURSE POLICIES:

1. No food, drinks, or use of tobacco products in class.
2. Phones, headphones, and any other electronic devices must be turned off while in class.
3. Recording devices may be used except during test reviews and when otherwise stated by the instructor.
4. Lap top computers, I-pad... may be used to take notes during class but may not be used to “surf” the internet, look-up answers, nor anything not directly related to note taking.
5. It shall be considered a breach of academic integrity (cheating) to use or possess on your body any of the following devices during any examination unless it is required for that examination and approved by the instructor: Cell phone, smart watch/watch phone, laptop, tablet, electronic communication devices (including optical), and earphones connected to or used as electronic communication devices.

- *This is a violation of the Radiologic Technology Student Handbook and will result in dismissal from the program.*

Students with special needs and/or medical emergencies or situations should communicate with their instructor regarding individual exceptions/provisions. It is the student's responsibility to communicate such needs to the instructor.

6. Do not bring children to class.
7. Late work for daily assignments is not accepted.
8. **ATTENDANCE POLICY:** Class attendance is important to ensure that a student receives the knowledge and skills necessary to be successful in the Radiologic Technology program. Students are expected to be in class on time. If a student is tardy they may enter only if they do so quietly.

To encourage class attendance, students that miss two (2) or more class sessions in a unit will have a five (5) point reduction on that test. Students who are tardy four (4) times will equal one (1) absence.

RADR 1203 Patient Care

Course Syllabus – 2026

When it becomes necessary to miss a session, it is the responsibility of the *student* to contact the instructor and to inquire about assignments. I will *not* distribute the PowerPoints missed. The student must get the notes from a classmate. If a major test is missed, the test will be administered at the first day the student returns to class or at a time designated by the instructor. There will be a **ten (10) point** reduction for make-up exams.

DROP POLICY

If you wish to drop a course, you are responsible for initiating and completing the drop process by the specified drop date as listed on the [Academic Calendar](#). If you stop coming to class and fail to drop the course, you will earn an “F” in the course.

STUDENT EXPECTED TIME REQUIREMENT

For every hour in class (or unit of credit), students should expect to spend at least two to three hours per week studying and completing assignments. For a 3-credit-hour class, students should prepare to allocate approximately six to nine hours per week outside of class in a 16-week session OR approximately twelve to eighteen hours in an 8-week session. Online/Hybrid students should expect to spend at least as much time in this course as in the traditional, face-to-face class.

COURSE EVALUATION

Final grades will be calculated according to the following criteria:

- Grades will be determined from an average of **two major tests, comprehensive final, and quizzes**. Each student must turn in 3 blank #882 scan-trons paper clipped together, with your name on a post it note on top by **July 15** (you can turn in all 6 together for both classes).
- There will be multiple tasks/competencies that will have to be completed and signed off on in lab. If you score less than 77 you will redo the task but the original grade will be recorded.
- American Society Radiologic Technologists (ASRT) DVD's will be available in Black Board. The students will take active listening quizzes while the DVD is viewed. Chrome is the best browser to play these videos with.
- Requirements for fall **clinical courses** will be done as part of the requirements for this course. You will be responsible for uploading required documents to Castle Branch or whichever record keeping site the program is using at the time. Due dates will be posted in Black Board.
 - CPR
 - Physical
 - Drug screen
 - Shot record
- **GroupMe App** – the program utilizes GroupMe app to communicate. Please download the app. Use the QR code to register for **Radiology Class of 2028**.

RADR 1203 Patient Care

Course Syllabus – 2026

GRADING SCALE

The Radiology courses have elevated grade scales to prepare the students for the national exam they will take at the end of the program.

100 - 93 = A	Three tests (30% each)
84 - 92 = B	Assignments (10%)
77 - 83 = C	Active listening quizzes
66 - 76 = D *	Lab check-competences
65 & BELOW = F*	

*** STUDENTS SCORING BELOW A 77 WILL NOT BE ALLOWED TO PROGRESS WITHIN THE RADIOLOGY PROGRAM.**

ACADEMIC DISHONESTY

Students found to be committing academic dishonesty (cheating, plagiarism, or collusion) may receive disciplinary action. Students need to familiarize themselves with the institution's Academic Dishonesty Policy available in the Student Catalog & Handbook at <http://catalog.lit.edu/content.php?catoid=3&navoid=80#academic-dishonesty>.

TECHNICAL REQUIREMENTS

The latest technical requirements, including hardware, compatible browsers, operating systems, etc. can be online at <https://lit.edu/online-learning/online-learning-minimum-computer-requirements>. A functional broadband internet connection, such as DSL, cable, or Wi-Fi is necessary to maximize the use of online technology and resources.

DISABILITIES STATEMENT

The Americans with Disabilities Act of 1990 and Section 504 of the Rehabilitation Act of 1973 are federal anti-discrimination statutes that provide comprehensive civil rights for persons with disabilities. LIT provides reasonable accommodations as defined in the Rehabilitation Act of 1973, Section 504 and the Americans with Disabilities Act of 1990, to students with a diagnosed disability. The Special Populations Office is located in the Eagles' Nest Room 129 and helps foster a supportive and inclusive educational environment by maintaining partnerships with faculty and staff, as well as promoting awareness among all members of the Lamar Institute of Technology community. If you believe you have a disability requiring an accommodation, please contact the Special Populations Coordinator at (409)-951-5708 or email specialpopulations@lit.edu. You may also visit the online resource at [Special Populations - Lamar Institute of Technology \(lit.edu\)](#).

STUDENT CODE OF CONDUCT STATEMENT

It is the responsibility of all registered Lamar Institute of Technology students to access, read, understand and abide by all published policies, regulations, and procedures listed in the *LIT Catalog and Student Handbook*. The *LIT Catalog and Student Handbook* may be accessed at www.lit.edu. Please note that the online version of the *LIT Catalog and Student Handbook* supersedes all other versions of the same document.

RADR 1203 Patient Care

Course Syllabus – 2026

ARTIFICIAL INTELLIGENCE STATEMENT

Lamar Institute of Technology (LIT) recognizes the recent advances in Artificial Intelligence (AI), such as ChatGPT, have changed the landscape of many career disciplines and will impact many students in and out of the classroom. To prepare students for their selected careers, LIT desires to guide students in the ethical use of these technologies and incorporate AI into classroom instruction and assignments appropriately. Appropriate use of these technologies is at the discretion of the instructor. Students are reminded that all submitted work must be their own original work unless otherwise specified. Students should contact their instructor with any questions as to the acceptable use of AI/ChatGPT in their courses

STARFISH

LIT utilizes an early alert system called Starfish. Throughout the semester, you may receive emails from Starfish regarding your course grades, attendance, or academic performance. Faculty members record student attendance, raise flags and kudos to express concern or give praise, and you can make an appointment with faculty and staff all through the Starfish home page. You can also login to Blackboard or MyLIT and click on the Starfish link to view academic alerts and detailed information. It is the responsibility of the student to pay attention to these emails and information in Starfish and consider taking the recommended actions. Starfish is used to help you be a successful student at LIT.

Course Outline:

Educational Survival Skills

- a. Stress
- b. Study skills
- c. Test taking tips

Introduction to Clinical Education

- a. Clinical education
 - a. direct supervision
 - b. indirect supervision
- b. Clinical assessment
 - a. task analysis
 - b. clinical behavior
 - c. ARRT competency form
- c. Policies & procedures
- d. Teamwork

Patient Interactions and History Taking

- a. Patient needs by age and condition
- b. Communication
 - a. verbal
 - b. non-verbal
- c. Patient interview

RADR 1203 Patient Care

Course Syllabus – 2026

Safe Movement

- a. Body Mechanics
- b. Transfer of Patients
- c. Positioning the Patient for Examinations
- d. Immobilization Devices
- e. Oxygen Dependent Patient
- f. MRI Safety

Vital Signs

- a. Temperature
- b. Pulse
- c. Respiration
- d. Blood Pressure
- e. O² administration
- f. EKG
- g. Lines & tubes

Infection Control and Medical Asepsis

- a. Standard Precautions
- b. Personal Protective Equipment
- c. Contact, Airborne, & Droplet Isolation Precautions
- d. Chain of Infection
- e. Bloodborne Pathogens
- f. Handwashing
- g. Sterile Procedures
- h. Non-aseptic equipment

Medical Emergencies

- a. Head injuries
- b. Respiratory distress
- c. Cardiac Failure
- d. Diabetic Patient
- e. Shock
- f. Stroke
- g. Minor emergencies

Pharmacology

- a. Drug nomenclature
- b. Forms
- c. Classification

Venipuncture and Drug Administration

- a. Five rights (6 per ARRT)
- b. Routes of administration
- c. Supplies

RADR 1203 Patient Care

Course Syllabus – 2026

Contrast Media

- a. Types of contrast media
- b. Selection criteria
- c. Media Prep
- d. Reactions

Health Record & Medical Law

Workplace Safety

- a. Accident Prevention
- b. Incident forms
- c. Fire Safety
- d. Weather
- e. Care of Patient During Emergency

Radiographic Identification

- a. Chest
- b. Abdomen
- c. Extremities
- d. Spines
- e. Contrast Exams

LIT Radiologic Technology Student Handbook

RADR 1203 Patient Care

Course Syllabus – 2026

RADR 1203 PATIENT CARE COURSE CALENDAR – **LAB 5A1** Mon – Thurs (8:00 – 10:30)

all dates are tentative and subject to change

DATE	TOPIC	READINGS	ASSIGNMENTS
JULY 8	Clinical Coordinator – Physical & shot record requirements Introduction to Course Educational Survival Skills & Intro. to Clinical Education	CH 3 & 5	
JULY 9	Safe Movement, Immobilization & Equipment Demonstration	CH 13 & 14	
JULY 13	Vital Signs	CH. 15	
JULY 14	Transporting & vital signs & Equipment demo		Group A –Check-off
JULY 15	Transporting & vital signs & Equipment demo		Group B –Check-off Turn in blank scan-trons
JULY 16	Terminology & Radiographs Chest and Upper limb		
JULY 20	MRI Safety & Test Review		
JULY 21	UNIT I TEST (last day to drop/withdraw with academic penalty)		TEST I
JULY 22	Patient Interactions & History Taking	CH 11 & 12	
JULY 23	Venipuncture and Drug Administration	CH. 22	
JULY 27	Draw-up contrast, tourniquets, venipuncture & handwashing		Group A –Check-off
JULY 28	Draw-up contrast, tourniquets, venipuncture & handwashing		Group B –Check-off
JULY 29	Abdomen & Lower Limb Radiographs		
JULY 30	Test Review		
AUG 3	UNIT II TEST		TEST II
AUG 4	Go over test & Spine Radiographs (last day to drop/withdraw without academic penalty)		
AUG 5	Digital Exposure lab & mobile unit lab		
AUG 6	Lab Demonstrations & Photos		
AUG 10	Review radiographs		
AUG 11	Final RADR 1201		
AUG 12	UNIT III TEST (FINAL EXAM)		FINAL RADR 1203
AUG 13	Register for fall semester courses		

RADR 1203 PATIENT CARE COURSE CALENDAR – **LECTURE 3A1** Tues & Thurs (1:00 – 2:15)

all dates are tentative and subject to change

DATE	TOPIC	READINGS
JULY 9	ASRT - Patient Transfer, Transport & Fall Prevention video	
JULY 14	Health Record & Medical Law	CH. 25 & 26
JULY 16	ASRT - Introduction to Healthcare Safety & ASRT - Workplace Safety	
JULY 21	Go over test & Pharmacology & Handwashing	CH. 21
JULY 23	ASRT - Wrong Site, Wrong Procedure, Wrong Patient & ASRT - Infection Control Practices	
JULY 28	Infection Control & Medical Emergencies	CH. 17 & CH. 20
JULY 30	ASRT - Medication Safety	
AUG 4	Contrast Media Exams	
AUG 6	ALL VIDEO QUIZZES DUE 5:00 pm	
AUG 11	study	
AUG 13	Register for fall semester courses if accepted into program	

** ASRT videos may be watched at home or in the Radiology lab as a group. Use this extra class time for assignments in RADR 1201 also.