



Patient Care (RADR 1203 – 3A1 & 5A1)

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, DVD's, 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

An introduction to patient assessment, infection control procedures, emergency and safety procedures, communication and patient interaction skills, and basic pharmacology.

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. Understand patient care aspects of diverse populations.
9. Be able to identify basic anatomy on radiographic images.

REQUIRED TEXTBOOK AND MATERIALS

- Adler, Carlton, *Introduction to Radiologic & Imaging Sciences & Patient Care*, 8th edition, Saunders, ISBN# 978-0-323-87220-1

RADR 1203 Patient Care

Course Syllabus - 2024

- 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 best browser to play the videos.
- 882 scan-trons
- LIT Radiologic Technology Student Handbook

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. If you wish to drop a course, the student is responsible for initiating and completing the drop process. If you stop coming to class and fail to drop the course, you will earn an ‘F’ in the course.
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.

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

RADR 1203 Patient Care

Course Syllabus - 2024

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.

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 (Due on this Date)	ASSIGNMENTS (Due on this Date)
JULY 10	Clinical Coordinator – Physical & shot record requirements Introduction to Course Educational Survival Skills & Intro. to Clinical Education	CH 3 & 5	
JULY 11	Safe Movement, Immobilization & Equipment Demonstration	CH 13 & 14	
JULY 15	Vital Signs	CH. 15	
JULY 16	Transporting & vital signs & Equipment demo		Group A –Check-off
JULY 17	Transporting & vital signs & Equipment demo Turn in blank scan-trons		Group B –Check-off
JULY 18	Terminology & Radiographs Chest and Upper limb		
JULY 22	MRI Safety & Test Review		
JULY 23	TEST I		TEST I
JULY 24	Patient Interactions & History Taking	CH 11 & 12	
JULY 25	Venipuncture and Drug Administration	CH. 22	
JULY 29	Draw up contrast, tourniquets, venipuncture & handwashing		Group A –Check-off
JULY 30	Draw up contrast, tourniquets, venipuncture & handwashing		Group B –Check-off
JULY 31	Abdomen & Lower Limb Radiographs		
AUG 1	Test Review		
AUG 5	TEST II		TEST II

RADR 1203 Patient Care

Course Syllabus - 2024

AUG 6	Go over test & Spine Radiographs		
AUG 7	Contrast Media Exams		
AUG 8	Lab Demonstrations & Photos		
AUG 12	<i>Review radiographs</i>		
AUG 13	<i>Final RADR 1201</i>		
AUG 14	FINAL EXAM		FINAL RADR 1203

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 (Due on this Date)
JULY 11	ASRT - Patient Transfer, Transport & Fall Prevention video	
JULY 16	Health Record & Medical Law	CH. 25 & 26
JULY 18	ASRT - Introduction to Healthcare Safety & ASRT - Workplace Safety	
JULY 23	Go over test & Pharmacology & Handwashing	CH. 21
JULY 25	ASRT - Wrong Site, Wrong Procedure, Wrong Patient & ASRT - Infection Control Practices	
JULY 30	Infection Control	CH. 17
AUG 1	ASRT - Medication Safety	
AUG 6	Medical Emergencies	CH. 20
AUG 8	ALL VIDEO QUIZZES DUE 5:00 pm	
AUG 13	<i>study</i>	
AUG 15	Alternates will find out if accepted & register for fall semester courses	

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 paperclipped together, with your name on a post-it note on top by **July 17** (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 by an instructor for the student to pass the course. These will be graded on a pass/fail basis. (*Fail* means you will retake until you get them correct. This may be done after regular scheduled class time.) **All check-offs and video quizzes must be completed by August 6 at 5:00 pm.**
- American Society Radiologic Technologists (ASRT) DVD's will be available in BlackBoard. The students will take active listening quizzes while the DVD is viewed. Chrome is the best browser to play these videos with. The quiz average will count 10% of the course.
- 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 BlackBoard.

RADR 1203 Patient Care

Course Syllabus - 2024

- CPR
- Physical
- Drug screen
- Shot record
- **GroupMe App** – the program utilizes GroupMe app to communicate. Please download the app. Mrs. Barrow will add you to the group. This is very important!!

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	Active listening quizzes (10%)
77 - 83 = C	Lab check-competencies will be pass/fail
66 - 76 = D *	Students will repeat all tasks until sufficiently completed.
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 WiFi 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 \(lit.edu\)](#).

RADR 1203 Patient Care

Course Syllabus - 2024

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.

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

Safe Movement

- a. Body Mechanics

RADR 1203 Patient Care

Course Syllabus - 2024

- 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

Contrast Media

- a. Types of contrast media

RADR 1203 Patient Care

Course Syllabus - 2024

- 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