



Patient Care (RADR 1203)

Credit: 2 semester credit hours (1 lecture and 4 lab hours)

Pre-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.

Textbook And Materials:

- Adler, Carlton, *Introduction to Radiographic Sciences and Patient Care*, 7th edition, Saunders, 2019, ISBN#978-0-323-56671-1
- 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 works best to play videos.

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. Infection control procedures
4. Emergency and safety procedures
5. Communication and patient interaction skills
6. Basic pharmacology
7. Understand patient care aspects of diverse populations.
8. Be able to identify basic anatomy on radiographic images.

Course Outline:

Educational Survival Skills

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

Introduction to Clinical Education

- a. Clinical education
- b. Clinical assessment
- c. Policies & procedures
- d. Teamwork

Patient Interactions and History Taking

- a. Patient needs by age and condition
- b. Communication
 - a. Verbal
 - b. Non-Verbal

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- c. Patient interview

Safe Movement

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

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, Aitborne, & Droplet Isolation Precautions
- d. Chain of Infection
- e. Bloodborne Pathogens
- f. Handwashing
- g. Sterile Procedures
- h. Nonaseptic 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
- b. Selection criteria
- c. Media Prep
- d. Reactions

Health Record

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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

Grade 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

84 - 92 = B

77 - 83 = C

66 - 76 = D *

65 & BELOW = F*

- Three tests (30% each)
- Active listening quizzes (10%)
- Lab check-competencies will be pass/fail. Students will repeat all tasks until they sufficiently complete them.

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

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.*

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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.

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.

9. Any student who fails to pass a Unit test will be required to attend mandatory tutorial. This may be done before or after class or at lunch break. The tutorial may be individual or in a group session.

Technical Requirements

The latest technical requirements, including hardware, compatible browsers, operating systems, software, Java, etc. can be found online at:

https://help.blackboard.com/Learn/Student/Getting_Started/Browser_Support/Browser_Checker

A functional broadband internet connection, such as DSL, cable, or WiFi is necessary to maximize the use of the online technology and resources.

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 in Student Services, Cecil Beeson Building. You may also visit the online resource at <https://www.lit.edu/student-success/special-populations>

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 or obtained in print upon request at the Student Services Office. Please note that the online version of the *LIT Catalog and Student Handbook* supersedes all other versions of the same document

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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.

