

Clinical I - DMSO 1360 7A1

CREDIT

3 Semester Credit Hours (0 hours lecture, 18 hours lab)

MODE OF INSTRUCTION

Face to Face

PREREQUISITE/CO-REQUISITE:

Passed all previous Medical Sonography courses

COURSE DESCRIPTION

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

COURSE OBJECTIVES

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

- Apply the theory, concepts, and skills involving specialized materials, tool, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupational and the business/industry.
- Will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

INSTRUCTOR CONTACT INFORMATION

Instructor: Tracy Ryals RDMS, RVT

Email: taryals@lit.edu

Office Phone: (409) 547-5130

Office Location: Gateway Office 115

Office Hours: By appointment on Starfish

Required Materials

Trajecsys Clinical Tracking System

Trajecsys is a clinical tracking system designed to streamline and enhance the management of student progress in healthcare education programs. It offers a comprehensive platform for tracking clinical hours, skills, and competencies, allowing both students and instructors to easily monitor and document learning experiences. With features like real-time tracking, automated reporting, and secure data storage, Trajecsys helps ensure compliance with accreditation standards while improving communication between students, instructors, and clinical sites.



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ATTENDANCE POLICY

- Absences must be limited to serious illness and/or immediate family emergencies. The student is allowed 2 (16 hours) unexcused absences in a semester. Catastrophic events are reviewed on an individual case by case basis. **A letter will be deducted from the final grade for each unexcused absence over 2.** Example: if a student has an 'A' in clinical, 5 unexcused absences would reduce their final grade to a 'D' and the student will then be dropped from the program. Any absence over 2, excused or not, must be made up at/by the end of the semester. Make-up days must be approved if they are done before the end of the semester.
- Arriving late for clinic, leaving clinic early, and missed time clock punches must be documented (with a reason) in Trajecsys.
- **Points will be deducted from the final grade for any time that is not made up:**
 - 0 – 2 hours = 2 points
 - 3 – 4 hours = 4 points
 - 5 – 6 hours = 6 points
 - 7 – 8 hours = 8 points
- If LIT is forced to cancel classes due to inclement weather, DMSO classes and clinical will also be cancelled. Notification of closures will be made through LIT messaging platform. Students will also receive recorded phone and e-mail alerts from the LIT system.
- How Clinic Attendance Is Recorded: Total hours for the week are calculated (24 hours a week). When a student is tardy, absent, leaves early or is unaccounted for, that time is deducted from the 24 hours for that week and must be made-up during the week or the missed time is counted toward the two allowed absences.
- Every student must use Trajecsys to record their clinical hours. You must be in the Ultrasound Department to clock in and out for the day.
- When absent from clinic, you must inform your Clinical Coordinator and the Clinical site of your absence. **If not done an immediate letter grade drop will occur.** Missed time must be made up at the end of the semester. Make up days must be approved by the clinical site and the clinical coordinator if not on the allotted make-up days.
- Any absences during the last week of clinic must be made up regardless of the reason.

DROP POLICY

If you wish to drop a course, you are 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.

COURSE CALENDAR

WEEK	TOPIC	Due Date	ASSIGNMENT Location
1	Go over clinic rules, requirements & Trajecsyst Clinical Site Tours		
2	Learning clinical policies, protocols Practice Scanning Exams & Observing procedures		Trajecsyst
3	Learning clinical policies & protocols Practice Scanning Exams & Observing Procedures		Trajecsyst
4	Aorta/IVC Competency		Trajecsyst
5	Liver Competency GB Competency Observation #1 due	02/17/2025	Trajecsyst
6	Pancreas Competency		Trajecsyst
7	Journal #1 due	03/03/2025	Trajecsyst
8	Spring Break		Trajecsyst
9	Spleen Competency Mid-Semester Evaluation Clinical Evaluation of student #1 4 Completed Competencies Due	3/18/2025	Trajecsyst
10	Practice Scanning Exams & Observing Procedures		Trajecsyst
11	Renal Competency		Trajecsyst
12	Thyroid Competency		Trajecsyst
13	Journal #2 due	04/14/2025	Trajecsyst
14	Female Pelvis or Sonographic Guided Procedure (Assist) Competency		Trajecsyst
15	Observation #2 due	04/28/2025	Trajecsyst
16	End of Semester Evaluation Clinic Evaluation of student #2 Student Evaluation of clinical Site 8 Completed Competencies Due	05/12/2025	Trajecsyst

COURSE EVALUATION

Final grades will be calculated according to the following criteria:

1. Clinical Evaluations 25%
2. Clinical Competency 60%
3. Journals & Observations 10%
4. Exams Performed/Observed 5%

(Exams Performed/Observed: A= 100-81; B=80-71; C=70-61; Failing less than 61.)

GRADE SCALE

- 93-100 A
- 85-92 B
- 77-84 C
- 69-76 D
- 0-68 F

COURSE OUTLINE

- ❖ Tour of Clinical Sites (If possible)
 - St. Mary OPC
 - St Elizabeth Hospital
 - St. Elizabeth OPP
 - Baptist Beaumont
 - Baptist Orange
 - St. Pats Hospital (Lake Charles)
 - Lake Area Women's Hospital (Lake Charles)
 - Lake Charles Memorial Hospital
 - Lake Charles Memorial Women's Campus
- ❖ Review of clinical tracking system Trajecsys
- ❖ Clinical procedures/equipment
 - Ultrasound equipment
 - PACS
 - Patient Worksheets
 - Protocols
 - Work Area
- ❖ Practice live patient scanning
 - Room set up
 - Clean linen
 - Equipment selection
 - Patient interaction
- ❖ Explanation of procedure
- ❖ Acquiring patient history
 - Image analysis
- ❖ Diagnostic
- ❖ Annotation
- ❖ Anatomy
- ❖ Patient positioning
- ❖ Paperwork
- ❖ Discussion of findings with clinical instructors
- ❖ Clinical Scanning Competencies required for program:
 - Eight of the following must be completed this semester
 - Aorta/IVC
 - GB (Biliary System)
 - Liver
 - Pancreas
 - Spleen
 - Renal (Kidneys)

- Bladder
- Pleural Space
- Sonographic Guided Procedure (Assist)
- Abdomen Complete (2)
- Abdomen Limited – Right Upper Quadrant (2)
- Thyroid
- Scrotum
- GYN – Transabdominal Pelvis
- GYN – Transvaginal Pelvis
- OB 1st Trimester – Transabdominal
- OB 1st Trimester – Transvaginal
- OB 2nd Trimester – Anatomy
- OB 2nd Trimester – BPP
- OB 3rd Trimester – Anatomy
- OB 3rd Trimester – BPP
- 2 Elective Exams:
 - GI tract
 - Prostate
 - Abdominal wall
 - Superficial mass
 - Pediatric/Neonatal (head, hips, spine, renal, pylorus etc.)
 - Carotid
 - Lower Extremity Venous/Arterial
 - Upper Extremity Venous/Arterial

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.

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.

ADDITIONAL COURSE POLICIES/INFORMATION

1. Maintains clean work environment.
2. Competency grades must be an A or B, or it must be repeated.
3. An unacceptable performance rating on the student clinical evaluation form may result in clinical probation or expulsion.
4. Demonstrates concern for the patient's care, need, safety, and right to privacy.
5. Promotes a positive and collaborative atmosphere with other healthcare providers.
6. Late assignments will be accepted at the penalty of 10 points for each late day.
7. Points will be taken from Clinic Evaluation of Student grade:
 - 2-point reduction for each incomplete area (signed comps, evals etc)
 - 5-point reduction for each missing area
 - A "0" will be given for each assignment not completed
 - (Competency, Evaluations, etc.)