CLINICAL II (DSAE 2262 7A0)

CREDIT
2 Semester Credit Hours (0 hours lecture, 16 hours lab)

MODE OF INSTRUCTION
Face to Face

PREREQUISITE/CO-REQUISITE: Passed all previous cardiac 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:	Melissa Mann, RDMS, RVT, RDCS
	Mark Adams, RCS
Email:	**mamann@lit.edu**
	maadams@lit.edu
Office Phone:	409-257-0057
Office Location:	Gateway 114
Office Hours:	Please see Starfish to schedule an appointment

Approved: MM/2025

REQUIRED TEXTBOOK AND MATERIALS
Small notebook for taking notes/protocols/procedures
Electronic device that has internet capabilities for clinical tracking system

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. It is widely used in allied health programs to facilitate efficient clinical education.**

Sonography Clinical Attendance Policy

Clinical attendance is a vital component of the Diagnostic Cardiac Sonography Program, reflecting each student's professionalism, commitment, and readiness for the healthcare environment. The following policy outlines expectations and consequences related to clinical attendance, tardiness, and make-up time.

Attendance Requirements

1. Attendance is mandatory. All absences, regardless of the reason, are treated the same. There is no distinction between excused and unexcused absences.

2. Students are allowed a maximum of two (2) absences per semester (equivalent to 16 hours). Any time missed beyond this must be made up.

3. Each absence beyond the allowable two will result in a full letter grade deduction from the final clinical grade.

Example: A student with an 'A' who accrues five absences will receive a final grade of 'D' and will be dismissed from the program.

Tardiness and Early Departure

1. Two instances of tardiness exceeding 15 minutes will result in the student being marked absent for one full day.

2. Leaving clinic early for any reason without prior approval from the Clinical Coordinator will result in the student being marked absent for the entire day.

3. Leaving early without approval is not permitted under any circumstances and is treated the same as an absence.

4. If an emergency arises during clinic hours, the student must contact the Clinical Coordinator before leaving the clinical site. Leaving without prior approval will result in disciplinary action.

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Make-Up Time

1. Any absence beyond the first two must be made up before the end of the semester.

2. Make-up time must be pre-approved by both the Clinical Site and the Clinical Coordinator.

3. Absences during the final week of clinic are not permitted under any circumstance. Any missed time during this period, regardless of reason, must be made up in full and will be reviewed on a case-by-case basis.

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Missed Time Penalties (Not Made Up by Semester End)

Missed Time Point Deduction

0 – 2 hours   2 points

3 – 4 hours   4 points

5 – 6 hours   6 points

7 – 8 hours   8 points

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Trajecsys Documentation

1. Students must use Trajecsys to clock in and out only when physically present in the Ultrasound Department.

2. All absences, tardies, early departures, and missed punches must be documented in Trajecsys with an appropriate explanation.

3. Total required clinical hours per week: 24 hours. Any time missed (due to tardiness, early departure, or absence) will be deducted from this total and must be made up during the same week or counted toward the two allowed absences.

4. Time exceptions in Trajecsys (e.g., manual edits to time entries) should be rare. More than three-time exceptions in a semester, excluding those related to internet connectivity issues, will result in disciplinary action.

Communication of Absences

1. Students are required to notify both the Clinical Site and the Clinical Coordinator immediately when absent from clinic.

2. Failure to notify both parties will result in an automatic one-letter grade deduction.

Weather-Related Closures

1. If LIT cancels classes due to inclement weather, all DSAE classes and clinical rotations are also cancelled.

2. Students will receive notifications via LIT's messaging platform, email alerts, and recorded phone calls.

Failure to adhere to the clinical attendance policy will result in academic penalties and may lead to dismissal from the program. This policy is designed to promote accountability, responsibility, and readiness for the professional expectations of the sonography field.

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	READINGS (Due on this Date)	ASSIGNMENTS (Due on this Date)
1	Go over clinical rules, requirements, and Trajecsys Learning clinical policies, protocols Practice Scanning Exams and Observing procedures		Trajecsys
2	**Competency #1 on M-Mode (Challenge)**		Trajecsys

3	Practice Scanning Exams and Observing procedures		Trajecsys
4	**Competency # 2 on Color Doppler (Challenge)**		Trajecsys
5	**Competency # 3 on Spectral Doppler (Challenge)**		Trajecsys
6	**MID-SEMESTER EVALUATION Clinical Evaluation of student #1 3 Completed Clinical Challenge Competencies Due**		**July 8, 2025**
7	Practice Scanning Exams and Observing procedures		Trajecsys
8	**Competency # 4 on Echo Complete #1 (Challenge)**		Trajecsys
9	Practice Scanning Exams and Observing procedures **Competency # 5 on Echo Complete #2 (Challenge)**		Trajecsys
10	Practice Scanning Exams and Observing procedures **Competency # 6 on Echo Complete #3 (Challenge)**		Trajecsys
11	**END OF SEMESTER EVALUATION WHAT'S DUE *Evaluation of student #2 *Student Eval. of Clin. Site *6 Completed Challenge Comps *Completed Overall Exam Comps. * As well as any competencies/proficiencies that student has not comped a "3" or higher on from previous semester.**		**August 15, 2025**

* This schedule is subject to change at the discretion of the instructor.

COURSE EVALUATION
Semester grades will be calculated from the following criteria:
1. Clinical Evaluations   30%
2. Overall Exam Competencies   30%
3. Clinical Challenge Competencies   35%
4. Exams Performed/Observed   5%
     (Exams: 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

A. Review of clinical forms (All located on Blackboard)
    a. Time Sheets
    b. Log forms
    c. Calendars
    d. Evaluations
    e. Proficiencies/ Competencies (Already have from last semester)

B. New procedures/equipment
    a. Ultrasound equipment
    b. PACS
    c. Patient Worksheets
    d. Protocols
    e. Work Area

C. Practice live patient scanning
    a. Room set up
    b. Equipment Selection
    c. Clean linen

D. Patient interaction
    a. Explanation of procedure
    b. Acquiring patient history
    c. Patient positioning
    d. Image analysis
        i. Diagnostic
            1. TTE (Competencies)
            2. TEE (Proficiency)
            3. Contrast (UEA) (Competency)
            4. Transthoracic Enhanced Echo (Bubble Study) (Proficiency)
            5. Stress Echocardiogram
                a. Exercise (Proficiency)
                b. Pharmacological (Proficiency)

        ii. Annotation
        iii. Anatomy
        iv. Pathology (Competencies)
            a. Valvular Disease
            b. Prosthetic Valves

       c.   Systolic Dysfunction
       d.   Diastolic Dysfunction
       e.   CAD/WMA
       f.   Cardiomyopathies
       g.   Cardiac Masses
       h.   Right Heart Disease
       i.   Pericardial Disease
       j.   Pedoff / CW Doppler

E. Paperwork
F. Discussion of findings
G. Scanning patients for grades:
       e.   M-Mode
       f.   Color Doppler
       g.   Spectral Doppler
       h.   Complete Echo #1
       i.   Complete Echo #2
       j.   Complete Echo # 3
H. Exam Competencies
I. Professional Qualities Competencies (if not previously comped)
J. Exam Proficiencies (if not previously comped)

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).

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.

ADDITIONAL COURSE POLICIES/INFORMATION
1. Students must maintain a clean work environment.
2. Individual Challenge Competency scores must be a "3" or above, or the competency must be repeated.
   a. Any score of "2" or below will result in a mandatory repeat of that competency.
3. Overall Competencies/Proficiencies must score a "3" or above, or the competency/proficiency must be repeated each semester until competency has been reached and must "check off" on them in order to graduate from the program.
4. An unacceptable performance rating on the student clinical evaluation form may result in clinical probation or expulsion.
5. Students should show concern for the patient's care, need, safety, and right to privacy.
6. Students should promote a positive and collaborative atmosphere with other healthcare providers.
7. Each infraction of the cell phone/social media policy as stated in the clinical handbook will result in a letter grade reduction and/or immediate dismissal from the program.
8. Late assignments will be accepted at the penalty of 10 points for each late day.