

Practicum I (DSAE 1364)



Credit: 3 semester credit hours (0 hours lecture, 24 hours lab)

Prerequisite/Co-requisite: Passed all previous sonography courses.

Course Description

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student.

Required Textbook and Materials

SCAN BOOK (1½" 3 ring binder; tab dividers)

Course Objectives

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

Apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and 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.

Course Outline

- A. Tour of Clinical Sites
 - a. St. Mary Hospital
 - b. Gulf Coast Cardiology
 - c. Southeast Texas Medical Center
 - d. St. Elizabeth Hospital
 - e. Outpatient Cardiovascular Services
 - f. Baptist Hospital Beaumont
- B. Review of clinical forms
 - a. Time Sheets
 - b. Log forms
 - c. Calendars
 - d. Evaluations
 - e. Proficiencies
- C. New procedures/equipment
 - a. Ultrasound equipment
 - b. PACS
 - c. Patient Worksheets
 - d. Protocols
 - e. Work Area
- D. Practice live patient scanning
 - a. Room set up
 - b. Clean linen

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- c. Acquiring patient history
- d. Patient interaction
 - e. Explanation of procedure
 - f. Equipment selection
 - g. Image analysis
 - i. Diagnostic
 - ii. Annotation
 - iii. Anatomy
 - h. Patient positioning
 - i. Paperwork
 - j. Discussion of findings
- E. Scanning patients for grades:
 - a. Parasternal Long
 - b. Parasternal Short
 - c. Subcostal
 - d. Apical 5
 - e. Apical 4
 - f. Apical 3
 - g. Apical 2

Grade Scale

- 93 – 100 A
- 85 – 92 B
- 77 – 84 C
- 69 - 76 D (not able to continue in sonography program)
- 68- Below F

Course Evaluation

Semester grades will be calculated from the following criteria:

- 1. Clinical Evaluations 25%
 - 2. Professional Qualities Proficiencies 10%
 - 3. Exam Proficiencies 10%
 - 4. Clinical Challenges 40%
 - 5. Observations 5%
 - 6. Journals 5%
 - 7. Exams Performed/Observed 5%
- (Exams: A= 100-81; B=80-71; C=70-61; Failing less than 61.)

Course Requirements

- 1. Students must perform and be graded (challenges) on exams throughout the semester.
- 2. Two student evaluations by the clinical personal are required for the semester.
- 3. Scan and observe as many exams/procedures as possible each day.
- 4. Scan independently after appropriately practicing each procedure.
- 5. Complete Professional and Exam Proficiencies by the end of the semester.

Course Policies

1. Maintains clean work environment.
2. Exam challenge grades must be an A or B or the challenge 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 work will be accepted at the penalty of 5 points for each late day. Incomplete forms will not be accepted.
7. Absences must be limited to serious illness and/or immediate family emergencies. The student is allowed 2 absences in a semester. Unexcused absences are not allowed. Catastrophic events are reviewed on an individual basis. If a student exceeds 2 unexcused absences, one letter grade will be deducted from the final grade for each additional absence. Example: if a student has an 'A' in clinic and 5 unexcused absences, the 5th absence would reduce his/her letter grade to an 'D'. The student will then be dropped from the program. Absences of any kind after the first 2 must be made up at the end of the semester.
8. Arriving late for clinic or leaving clinic prior to the required time must be reflected on the clinical time sheet. Points will be deducted for missed time that is not made up. Make up time must also be reflected on the clinical time sheet.
Final grade point reduction for hours (after 16) missed and/or not made up:
 - 0-2 hours = 2 points
 - 3-4 hours = 4 points
 - 5-6 hours = 6 points
 - 7-8 hours = 8 points
9. In the event that LIT is forced to cancel classes due to inclement weather, DMSO/DSAE classes and clinical rotations will also be cancelled. Notification of closures will be made through local radio and TV stations. Students out of the immediate broadcast area should contact the program Director for information.
10. 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.**
11. When absent from clinic, call LIT 839-2923 (you may leave a message) and the clinical site. **Immediate letter grade drop if either is neglected.** Missed time must be made up by the end of the semester. Make up days must be approved by the clinical site and the clinical coordinator.
12. Every student must use the time clock at their clinical site to record their clinical hours. Missed punches will result in a reduction on the Clinical Evaluation grade of 1 point for every 2 missed punches in a 1 week period.
13. Should a class field trip fall on a clinical day the student will be required to attend clinic if they choose not to go on the field trip. Should they not attend either one they will be assessed an absence.
14. Any absences during the last week of clinic must be made up regardless of the reason.

Technical Requirements (for courses using Blackboard)

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

https://help.blackboard.com/enus/Learn/9.1_2014_04/Student/015_Browser_Support/015_Browser_SupportPolicy 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 <http://www.lit.edu/depts/studerv/special/defaults.aspx>

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. The *Diagnostic Medical/Cardiac Student Handbook* is given out the first summer semester after admission into the program.

Course Schedule

Week	Topic	Reference
Week 1	Practice Scanning Exams	
Week 2	TEST on Para Long (Challenge)	Handout/ Blackboard
Week 3	Practice Scanning Exams	
Week 4	TEST on Para Short (Challenge) Observation #1 due	Handout/ Blackboard Handout
Week 5	Practice Scanning Exams	
Week 6	TEST on Subcostal (Challenge)	Handout/ Blackboard
Week 7	Practice Scanning Exams Journal #1 due	Handout
Week 8	SCAN Book Check Clinical Evaluation of student #1	Handout Handout

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Week	Topic	Reference
	TEST on Apical 5 (Challenge)	
Week 9	Spring Break	
Week 10	TEST on Apical 4 (Challenge)	Handout / Blackboard
Week 11	Practice Scanning Exams	
Week 12	TEST on Apical 3 (challenge) Journal #2 due	Handout/ Blackboard Handout
Week 13	Practice Scanning Exams	
Week 14	Practice Scanning Exams Observation #2 due	Handout
Week 15	TEST on Apical 2 (challenge)	Handout /Blackboard
Week 16	Final SCAN book Check Clinical Evaluation of student #2 Student Evaluation of clinical Site Professional and Exam proficiencies	Blackboard SCAN book Handout Handout

Contact information:

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