



Practicum I (DSAE 1364)

Credit: 3 semester credit hours

Prerequisite/Co-requisite: Passed all previous sonography courses with C or better/ DSAE 2304, DMSO 1342, DMSO 1110

Course Description

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

Required Textbook and Materials

2 inch, 3 ring binder; tab dividers.

Course Objectives

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

1. 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.
2. Demonstrates and evaluates patient needs and acoustic characteristics; selects, maintains, and adjusts equipment to provide optimal sonographic evaluation. Identifies, evaluates, and provides quality examinations to all patients, applying professional judgment and discretion.
3. Provides pertinent communication to the patient, significant others, and health care providers.

Course Outline

- a. Explanation of clinical forms
 1. Time sheets
 2. Log forms
 3. Calendars
 4. Evaluations
 5. Proficiencies
- b. Tour of clinical sites
 1. St. Mary Hospital
 2. Gulf Coast Cardiology
 3. Medical Center
 4. Outpatient Cardiovascular Services
 5. St. Elizabeth Hospital
 6. Beaumont Family Practice

- 7. Baptist-Orange
- c. New procedures/equipment
 - 1. Ultrasound equipment
 - 2. PACS
 - 3. Patient Worksheets
 - 4. Protocols
 - 5. Work area
- d. Practice live patient scanning
 - 1. Room set up
 - 2. Acquiring patient history
 - 3. Patient interaction
 - 4. Explaining procedure to Patient
 - 5. Proper equipment selection
 - 6. Image analysis
 - a. Images are Diagnostic
 - b. Proper annotation
 - c. Proper Anatomy
 - 7. Patient positioning
 - 8. Paperwork
 - 9. Discussion of findings
- e. Scanning patients for grades:
 - 1. Parasternal long
 - 2. Parasternal short
 - 3. Subcostal
 - 4. Apical 5
 - 5. Apical 4
 - 6. Apical 2
 - 7. Apical 3

Grade Scale

93 – 100	A
85 – 92	B
75 – 84	C
74 – 70	D (not passing)
73.5 and below	F

Course Evaluation

Completion of scanning proficiencies, challenges and evaluations.

An unacceptable performance rating on the student clinical evaluation form or Affective Domain may result in clinical probation or expulsion.

Course Requirements

1. Students must perform a challenge (be graded) on individual organs and/or procedures (exams) throughout the semester.
2. The student will earn an A or B on all organ/procedure (exams) challenges or the challenge must be repeated.
3. The student will have two student evaluations (these forms are called Affective Domain) from the clinical sites are required for the semester and are due by the dates listed.
4. The student will complete Professional Quality Proficiencies.
5. The student will complete Organ Proficiencies.
6. The student will scan independently after appropriately practicing each procedure.
7. The student will write two clinical Journals.
8. The student will write two clinical observations.

Grade Determination:

Observations	5%
Journals	5%
Clinical Evaluations of Student	25%
Professional Qualities Proficiencies	10%
Echo Exam Proficiencies	10%
Clinical Challenges	40%
Total # of exams	5%
(A=100-81; B=80-71; C=70-61; 60 and less failing)	
TOTAL	100%

Late work will be accepted at the penalty of half value for each late day. Incomplete forms will not be accepted; must have signatures where required.

Course Policies

1. Maintain a 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 or Affective Domain may result in clinical probation or expulsion.
4. Demonstrate concern for the patient's care, need, safety, and right to privacy.
5. Promote a positive and collaborative atmosphere with other health care providers.
6. Late work will be accepted at the penalty of half value for each late day. Incomplete forms will not be accepted. All forms must have supervisor signatures.
7. If a student exceeds 2 absences, one letter grade will be deducted from the final grade for each absence over the permitted number. The student is allowed 2 absences in a semester, with no other infractions, on the 3rd absence 1 letter grade will be deducted. On each subsequent absence another letter grade will be deducted. Example: if a student has an 'A' in clinic and 5 absences, the 5th absence would reduce his/her letter grade to a 'D'. The student will then be dropped from the program. All absences (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 each incidence of missed time that is not made up (make up time must also be reflected on the clinical time sheet). Catastrophic events are reviewed on an individual basis.

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 (Should add up to 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 excused absences. *For example: A student has the option of staying late in the afternoon if they were an hour late arriving to clinic that morning. But if the time is not made up day, or during that same week, the hour is deducted from the 16 hours of available excused time. The student now has 15 hours of available excused time.*

Final grade point reduction for hours (after 16) missed and not made up:

0-2 hours = 3 points

2-4 hours = 6 points

4-6 hours = 9 points

6-8 hours = 10 point

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 at the end of the semester or on LIT holidays. Make up days must be approved by the clinical site and the clinical coordinator.

Course Schedule (see calendar and/or assignment sheet for due dates)

Due Date:	Topic/Assignment:	References:
See Calendar	Clinic Observation # 1 due.	Handout
See Calendar	Clinic Observation #2 due.	Handout
See Calendar	Journal #1 due	Handout
See Calendar	Journal #2 due.	Handout
See Calendar	<u>SCAN √ #1 (MIDTERM Assessment)</u> CLINICAL EVALUATION #1	Handout
See Calendar	<u>SCAN √ #2 (Final Assessment)</u> CLINICAL EVALUATION #2	Handout
See Assignment Sheet	Proficiencies	Handout
See Assignment Sheet	Challenges	Handout

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, (409) 880-1737 or visit the office located in the Cecil Beeson Building, room 116B.

Contact Information

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