



Practicum I (DMSO 1366)

Credit: 3 semester credit hours

Prerequisite/Co-requisite: Passed all previous general and/or cardiac 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 - SDMS Education Foundation

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. (SCANS: F1, F2, F3, F4, F5, F6, F10, F11, F12, C5, C11, C12, C18)
2. Demonstrates and evaluates patient needs and acoustic characteristics; selects, maintains, and adjusts equipment to provide optimal sonographic evaluation. (SCANS: C5, C11, F15, F17)
3. Identifies, evaluates, and provides quality examinations to all patients applying professional judgment and discretion. (SCANS: C5, C11, F15, F17)
4. Provides pertinent communication to the patient, significant others, and health care providers. (SCANS: C5, C11, F15, F17)

SCANS Skills and Competencies

Beginning in the late 1980's, the U.S. Department of Labor Secretary's Commission on Achieving Necessary Skills (SCANS) conducted extensive research and interviews with business owners, union leaders, supervisors, and laborers in a wide variety of work settings to determine what knowledge workers needed in order to perform well on a job. In 1991 the Commission announced its findings in *What Work Requires in Schools*. In its research, the Commission determined that "workplace Know-how" consists of two elements: Foundation skills and workplace competencies.

Course Outline

- a. Explanation of clinical forms

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1. Time sheets
2. Log forms
3. Calendars
4. Evaluations
5. Proficiencies
- b. Tour of clinical sites
 1. St. Mary Hospital
 2. St. Mary OPC
 3. Medical Center
 4. Diagnostic Health
 5. Renaissance Hospital
 6. St. Elizabeth Hospital
 7. St. Elizabeth OPP
 8. Beaumont Family Practice
 9. Baptist-Beaumont
 10. 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. GB
 2. Liver
 3. Pancreas
 4. Spleen
 5. Renal
 6. Thyroid
 7. Female pelvis

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Grade Scale

93 – 100	A
85 – 92	B
75 – 84	C
74- 70	D
69-Below	F

Course Evaluation

Completion of scanning proficiencies, challenges and evaluations. An unacceptable performance rating on the student clinical evaluation form (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 must earn an A or B on all organ/procedure (exams) challenges or the challenge must be repeated.
3. 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. Complete Professional Quality Proficiencies.
5. Complete Organ Proficiencies.
6. Scan independently after appropriately practicing each procedure.
7. Two written clinical Journals.
8. Two written clinical observations.

Grade Determination:

Clinical Observation	5%
Clinical Evaluations	25%
Professional qualities	10%
Clinical Challenges	40%
Assessment Journal	5%
Master Proficiency List complete	10%
Total # of exams	5%

(A=100-81; B=80-71; C=70-61; 60 and less failing)

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

Course Policies

1. Complies with policies, procedures, and appropriate supervision while performing as a health care provider.
2. Environmental qualities – Maintains the physical facility.
3. Demonstrates concern for the patient’s care, need, safety, and right to privacy.

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4. Participates in activities that lead to the acquisition of new knowledge.
5. Promotes a positive and collaborative atmosphere with other health care providers.
6. Functions as an efficient and effective employee in a health care environment.
7. Completion of scanning proficiencies and challenges
8. If a student exceeds **2** absences, **ONE (1) 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 an '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.**
9. 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.
10. Punctuality, consistent attendance, and participation in scanning are key factors in the successful completion of this class. Due to this fact, it is necessary that all students do their best to comply with attendance policies.
11. 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.
12. **Each absence/missed time (after 2 days or 16 hours excused) is 1 LETTER GRADE deduction.**
13. **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 TIME not made up:

0-2 hours = 3 points

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2-4 hours = 6 points
4-6 hours = 9 points
6-8 hours = 10 points

When absent from the clinic, call LIT- 839-2923 (you may leave a message) and clinical site sonographer. Immediate letter grade drop if either is neglected. Missed time must be made up at the end of the semester or on LIT holidays if approved by the clinic site and Mrs. DeRanieri.

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 her office located in the Cecil Beeson Building, Room 116B.

Course Schedule

Date	Topic / Event	References
Jan 26th	Clinic Observation # 1 due.	Handout
Feb 9th	Clinic Observation #2 due.	Handout
Feb 23rd	Journal #1 due	Handout
March 9th	Journal #2 due.	Handout
March 16th	<u>SCAN √ #1 (MIDTERM advisement)</u> Journal #3 due. CLINICAL EVALUATION #1	SCAN book Handout Handout
April 13th	Journal #4 due.	Handout
May 6th	<u>SCAN √ #2 (Final advisement)</u> CLINICAL EVALUATION #2 Final Observation (#3)	SCAN book Handout Handout