

## **Practicum I (DSAE 1364)**

**Credit:** 3 semester credit hours



**Prerequisite/Co-requisite:** Passed all previous sonography courses with C or better/ DSVT 1103, DSAE 2304, DMSO 1342

### **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; [www.SDMS.org](http://www.SDMS.org)

### **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
  - 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. Parasternal long
  - 2. Parasternal short
  - 3. Apical
  - 4. Subcostal

### **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**

Clinical Challenges	40%
Clinical Evaluations	25%
Professional qualities	10%
Master Proficiency List complete	10%
Assessment Journal	5%
Clinical Observation	5%
Total # of scans	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. Students must provide their own textbooks, writing instruments, and other necessary supplies for classes.
2. Pagers, cell phones, and any other electronic devices must be turned off during class.

3. No food or drinks will be allowed in the classroom.
4. Students must respect one another and all faculty.

**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**

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