

**Midland College
Syllabus
Spring Semester
DMSO 2353
Sonography of Superficial Structures (3-0-0)**

Course Description:

The course is a detailed study of normal and pathological superficial structures as related to scanning techniques, patient history, and laboratory data, transducer selection, and scanning protocols.
Prerequisites: DMSO 1405.

Text, References and Supplies:

Hagen-Ansert, S. L. (2018). Textbook of Diagnostic Sonography (Eighth ed., Vol. One and Two). St. Louis, MO: Elsevier.

Hagen-Ansert, S. L. (2018). Textbook of Diagnostic Sonography Workbook (Eighth ed.). St. Louis, MO: Elsevier.

Lecture resources posted in Canvas

Student Learning Outcomes:

Upon successful completion of the course the student will demonstrate competency in the sonographic evaluation of superficial structures imaged with ultrasound, including image production, interpretation, examination protocols, anatomy, pathophysiology and accessory testing. The following organs and structures will be included:

1. Thyroid, parathyroid, salivary glands and neck
2. Breast
3. Scrotum and penis
4. Prostate
5. Non-cardiac chest, abdominal wall and hernias
6. Infant hips and spine
7. Musculoskeletal system
8. Deep vein thrombosis, pseudo-aneurysm and dialysis access graphs
9. Ultrasound guided invasive procedures

Student Contributions, Responsibilities and Class Policies:

Attendance is essential to the student's success and is outlined in the Midland College Catalog and Student Handbook, as well as, the Sonography Student Handbook. The subject matter of the Sonography Program's curricula concerns the health and safety of the patients cared for by the Sonography students and graduates. Because of this and the amount of information delivered in lecture and lab sessions, it is critical that students are present for all class sessions in their entirety. It is the student's responsibility to obtain notes and material covered in class during their absence. The student

is expected to participate in class discussions. Reading assignments should be completed prior to lectures for each unit. Material from reading which is not covered in class may appear on tests. Late assignments will not be accepted and will result in a grade of zero. Missed quizzes and exams will be accepted, with the loss of one letter grade per scheduled class day that it is late. All portions of this course MUST be completed. Failure to complete each component of this course will result in a failing grade.

Evaluation of Students:

Final grade will be a criterion-referenced standard percentage, not curved, composed as follows: 30% from the unit exam, 30% from weekly quizzes, 10% from attendance, 10% from assignments, 30% from exams and 20% from the final examination.

1. During this course, the student will complete assignments including, but not limited to: One case study: topics will be assigned the first day of class. One journal article: must be published within the last 3 years. Completion of all assigned chapters in the workbook.
2. Weekly quizzes will be given over the exam protocols, material covered in the previous week, and normal and abnormal sonographic images. Multiple quizzing formats will be utilized.
3. Each exam will be constructed from a random sample of the material presented prior to the exam date. Multiple testing formats may be utilized.
4. The final exam will be cumulative, consisting of a random sample of material presented during the semester.

Course Schedule:

Class will meet for four hours every Tuesday from 11:00 am to 4:00 pm, except for scheduled Midland College holidays. See attached class schedule for topics to be covered each lecture, quiz and exam schedule

Americans with Disabilities Act (ADA):

Any student who, because of a disabling condition, may require some special arrangements in order to meet course requirements should contact Shep Grinnan as soon as possible. Mr. Grinnan's office is located in the Scharbauer Student Center Building. These conditions may include documented physical or educational disabilities. Please be aware that services or accommodations are not automatic. Each student must request them and secure the proper authorizations/documentation.

Licensure Eligibility Notification

Completion of Midland College degrees and/or certificates does not guarantee eligibility to take a certification/registry/licensure examination. The eligibility of each person is determined on an individual basis by the regulatory body of the specific discipline. If you have a conviction of a crime other than a minor traffic violation, physical or mental disability/illness, hospitalization/treatment for chemical dependency within the past five years, current intemperate use of drugs or alcohol or a previous denial of a licensure or action by a licensing authority, you will need to contact the specific regulatory body for an individual ruling. Some programs require a criminal background check and urine and drug screen.

Non-discrimination Statement

Midland College does not discriminate on the basis of race, color, national origin, sex, disability or age in its programs and activities. The following individuals have been designated to handle inquiries regarding the non-discrimination policies: **Tana Baker, Title IX Coordinator/Compliance Officer, 3600 N. Garfield, SSC 242, Midland, TX 79705, (432) 685-4781, tbaker@midland.edu**; **Natasha Morgan, Director Human Resources/Payroll, 3600 N. Garfield, PAD 104, Midland, TX 79705, (432) 685-4534, nmorgan@midland.edu**. For further information on notice of non-discrimination, visit <http://wdcrobcop01.ed.gov/CFAPPS/OCR/contactus.cfm> or call 1 (800) 421-3481.

Instructor Information:

Instructor: Brandi Havner, BAAS, RDMS
Office: Marie Hall Sim-Life Center/Davidson Family HSB, RM 108
Office phone: 432-685-5572
Email: bhavner@midland.edu
Office hours: As posted. Students are encouraged to contact their instructor; making an appointment will help facilitate an instructor's availability at a specific time.

Division Information: Health Sciences

Division Dean: Carmen Edwards, DNP, MSN, RN, 209 DFHS Building, 432-686-4822
Program Chair: Brandi Havner, RDMS, BAAS, 108 DFHS Building, 432-685-5572
Division Secretary: Karen Harris, 208 DFHS Building, 432-685-4600