

Midland College
MASTER SYLLABUS

DMSO 1251: Sectional Anatomy for Sonographers (2-1-0)

COURSE DESCRIPTION

This course covers the sectional anatomy of the male and female body, including the anatomical relationships of organs, vascular structures, and body planes and quadrants.

STUDENT LEARNING OUTCOMES

Upon successful completion of the course the student will identify organs and structures of the body in sectional planes; describe anatomical relationships; and identify anatomical structures in multiple imaging planes. Additionally, the student will:

1. Describe anatomical relationships of the abdominal organs
2. Describe the structure orientation and its significance in the cross-section of anatomy
3. Explain the importance of using two different scanning planes
4. Understand probe placement
5. Understand correct orientation of ultrasound imaging planes
6. Identify the gross anatomy of the head, neck, chest, abdomen, male and female pelvis and extremities.

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, and the Sonography Program 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. Thus, 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.
- Material from reading and/or workbook 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.

If a quiz or exam is missed, it is the student's responsibility to arrange for the make-up quiz/exam prior to the next class date. The student may also expect an alternative method of testing for the make-up exam.

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:

- **Exams** – 30%
Each exam will be made from a random sample of the material presented before the exam date. Multiple testing formats may be utilized.
- **Quizzes** – 20%

Weekly quizzes will be given over content including exam protocols, material covered throughout unit, and normal and abnormal sonographic images. Multiple quizzing formats will be utilized.

- **Assignments – 15%**
During this course, the student will complete assignments including, but not limited to:
 - Online tasks, including journal articles, discussion boards, and worksheets
 - Computer-aided instruction
 - Scan lab assignments
- **Final Exam – 30%**
The exam will be cumulative, consisting of a random sample of material presented during the semester.
- **Attendance – 5%**

COURSE SCHEDULE

Class will meet for three hours every week except for scheduled Midland College holidays. See attached class schedule for topics to be covered each lecture, quiz, and exam schedule.

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 individual(s) have been designated to handle inquiries regarding the nondiscrimination policies: Nicole Cooper, Title IX Coordinator, 3600 N. Garfield, SSC 129, Midland, Texas 79705, (432) 685-4781, title9@midland.edu, or see [Midland College's Nondiscrimination Policies](#). For further information on notice of non-discrimination, visit the [ED.gov Office of Civil Rights website](#), or call 1 (800) 421-3481.

AMERICANS WITH DISABILITIES ACT (ADA) STATEMENT

Midland College provides services for students with disabilities through Student Services. In order to receive accommodations, students must visit <https://www.midland.edu/services-resources/accommodation-services.php> and complete the [Application for Accommodation Services](#) located under the Apply for Accommodations tab. **Services or accommodations are not automatic, each student must apply each semester and be approved to receive them.** All documentation submitted will be reviewed and a “Notice of Accommodations” letter will be sent to instructors outlining any reasonable accommodations. For more information or questions, please contact Bradley Gyatney, Director of Residence Life and Accommodations, at bgwatney@midland.edu or 432-685-6467.

GRIEVANCES AND COMPLAINTS

Concerns should be expressed as soon as possible to allow for early resolution. Midland College encourages students to discuss their concerns with their instructor first. If you feel uncomfortable discussing your situation with your instructor, students can discuss their concerns with the Department Chair first, then the Dean of Allied Health. If a resolution is still not possible, students may proceed with the [formal complaint process](#).

LICENSURE ELIGIBILITY NOTIFICATION

Completion of Midland College degrees and/or certificates does not guarantee eligibility to take a certification/register/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 drug screen.

OTHER CONTACT INFO

Dean: Brandi Havner, MS, RDMS, Office: AMS A43, Phone: 432-685-6440

Midland College Police: 432-685-4734