

Midland College  
**MASTER SYLLABUS**

**DMSO 1341: Abdominopelvic Sonography (2-2-0)**

**COURSE DESCRIPTION**

This course covers normal anatomy and physiology of the abdominal and pelvic cavities as related to scanning techniques, transducer selection and scanning protocols.

**PREREQUISITES AND/OR COREQUISITES**

DMSO 1251

**STUDENT LEARNING OUTCOMES**

Upon successful completion of the course the student will:

- Apply proper transducer orientation, image presentation and labeling.
- Utilize proper medical terminology and statistics to relate findings to others.
- Identify normal and abnormal abdominal anatomy on diagrams, photographs, models and images taken with ultrasound in multiple dimensions: sagittal, coronal, trans axial and oblique planes.
- Correlate anatomy seen on ultrasound with other imaging modalities such as diagnostic X-Ray, CT, MRI, and nuclear medicine.
- Evaluate patient history and laboratory data as it relates to sonography.
- Develop and implement appropriate scanning techniques using accepted protocols and additional scan planes and routines as indicated for each abdominal abnormality.
- Utilize color flow Doppler and phase analysis to evaluate the blood flow of the abdominal organs.
- Understand the pathogenesis and pathophysiology of common abdominal disease.

**STUDENT CONTRIBUTIONS, RESPONSIBILITIES, AND CLASS POLICIES**

Will be provided by the instructor in the individual course syllabus. Students should contact their instructor with any questions.

**EVALUATION OF STUDENTS**

Will be provided by the instructor in the individual course syllabus. Students should contact their instructor with any questions.

**COURSE SCHEDULE**

Will be provided by the instructor in the individual course syllabus. Students should contact their instructor with any questions.

**ACADEMIC INTEGRITY**

Refer to Midland College's Scholastic Dishonesty and Academic Misconduct policy:

<https://www.midland.edu/about/public-info/scholastic-dishonesty.php>

## **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. For information and inquiries regarding Midland College's non-discrimination policies, go to: <https://www.midland.edu/about/tix/index.php>.

For further information on notice of non-discrimination, visit the ED.gov Office of Civil Rights website, or call 1 (800) 421-3481.

## **DISABILITY SUPPORT SERVICES**

Midland College provides support services for students with disabilities through Student Services. To request accommodations, students must visit <https://www.midland.edu/services-resources/accommodation-services.php> and complete the required steps.

**Accommodations are not automatic; students must apply and be approved each semester.**

## **GRIEVANCES AND COMPLAINTS**

Students are encouraged to raise concerns as early as possible. Start by speaking with your instructor. If that is not feasible, you may contact the Department Chair, followed by the Dean of Allied Health. If needed, students may proceed with the formal complaint process.

## **LICENSURE ELIGIBILITY NOTIFICATION**

Completion of a Midland College program does not guarantee eligibility for licensure or certification exams. Eligibility is determined individually by each regulatory agency.

If you have a criminal conviction (other than minor traffic violations), a physical or mental health condition, hospitalization/treatment for chemical dependency within the past five years, or previous licensure actions, contact the relevant agency for guidance.

## **[DIVISION OFFICE CONTACT INFORMATION](#)**