

Midland College
MASTER SYLLABUS

DMSO 1110: Introduction to Sonography (1-0-0)

COURSE DESCRIPTION

This course is an introduction to the profession of sonography and the role of the sonographer with an emphasis on medical terminology, ethical/legal aspects, written and verbal communication, and professional issues relating to registry, accreditation, professional organizations and history of the profession.

PREREQUISITES AND/OR COREQUISITES

Admission into the program.

STUDENT LEARNING OUTCOMES

Upon successful completion of the course, the student will:

1. Describe the historical development of ultrasound as a diagnostic tool and the evolution of related professional organizations.
2. Identify the requirements and processes for registry certification and laboratory accreditation in sonography.
3. Discuss clinical practice guidelines for sonographers, including best practices for patient care and imaging procedures.
4. Define and correctly use medical terminology relevant to sonography.
5. Explain the medical, legal, and ethical principles associated with the sonography profession.
6. Demonstrate knowledge and understanding of:
 - Effective communication and critical thinking skills required in sonographic practice.
 - Techniques for obtaining and documenting a thorough patient history to support diagnostic accuracy.
 - Patient-sonographer interaction, including medical techniques and strategies to ensure patient comfort and care.
 - Ergonomic scanning methods to prevent musculoskeletal injuries (MSIs) in sonographers.
 - Infection prevention and control practices specific to sonographic procedures.

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](#)