Midland College
MASTER SYLLABUS

DMSO 2305: Sonography of Obstetrics/Gynecology (2-2-0)

COURSE DESCRIPTION

This course is a detailed study of the pelvis and obstetrics/gynecology as related to scanning techniques, patient history and laboratory data, transducer selection, and scanning protocols.

PREREQUISITES AND/OR COREQUISITES

None.

STUDENT LEARNING OUTCOMES

Upon successful completion of the course, the student will:

1. Demonstrate competency in the sonographic evaluation of gynecological and obstetrical structures imaged with ultrasound, including image production, interpretation, examination protocols, anatomy, pathophysiology, and accessory testing.
2. Explain maternal physiology as it occurs prior to fertilization.
3. Describe the embryological development of the fetus, the fetal membranes, and placenta.
4. Define and describe appropriate patient communication, patient preparation, obtaining patient history, and clinical indications for the obstetrical/gynecological ultrasound exam.
5. Identify the sonographic appearances of normal and abnormal structures in the female pelvis.
6. Identify and describe normal and abnormal obstetrical findings and their implications for maternal and fetal well-being.
7. List and describe the various methods of fetal dating, stages of fetal development, and normal ranges of common obstetrical measurements, and explain their relevance to fetal well-being.
8. Identify and describe multiple gestations and their implications for fetal health.
9. Demonstrate ergonomic scanning techniques utilizing standard protocol guidelines to ensure effective and safe practice.
10. Evaluate patient history and laboratory data as it relates to obstetrical and gynecological sonography.

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