

Course Prefix/Number/Title: DMS 232L OB/GYN Ultrasound II Lab

Number of Credits: 1 semester credit

Course Description:

This course is the hands-on sonographic scanning lab that focuses on the knowledge, skills and techniques for acquisition of appropriate sonographic protocols and image optimization of the organs and structures of the developing fetus during the second and third trimester as visualized by sonography. This course is integrated with DMS 232, the sonographic techniques for evaluation of normal first, second and third trimester pregnancy as well as early pregnancy complications. Color and spectral Doppler applications will also be applied to the appropriate gynecologic and obstetrical anatomy.

Pre-requisites: None

Corequisites: DMS-232, DMS-211, DMS-222, DMS-222L, DMS-282

Course Objectives:

1. Identify the sonographic appearance of fetal presentation states by identifying fetal anatomy location in uterus.
2. Describe transabdominal scanning techniques and protocols used in second and third trimester obstetrical scanning.
3. Describe the sonographic protocols and core images for fetal growth and development discussed in this course.
4. Describe the fetal head and abdomen measurements and femur length core imaging Techniques for second and third trimester sonography.
5. Describe growth assessment and parameters of fetus with appropriate terminology.

Instructor: Keshia Gathman, Clinical Coordinator, Amy Hofmann

Office: Suite 302 5th Ave Building, Trinity Health

Office Hours: 9 AM to 2 PM Tu, Th and by appointment

Phone: 857-5620

Email: amy.hofmann@trinityhealth.org

Lecture Schedule: 12:30 – 3:30 pm MW January 9 to May 12 in Suite 301

Lab Schedule: 8:30 – 10:30 am MW January 9 to May 12 in Suite 301

Textbook: Diagnostic Sonography, Hagen-Ansert, 8th Edition

Lab Manual: Trinity Health Clinical Education Handbook

Course Requirements:

Grading is based on completion of assignments, quizzes and test.

Assignments	15%
Quizzes	15%
Test	70%

Consistent with class attendance policy, the student is responsible for attending every class and for the material presented. If a student will not be attending a class, he/she must notify the Program Director prior to absence to plan for makeup time and activities.

Grading Criteria

A =	94-100% of the total points
B =	87 - 93% of the total points
C =	80 - 86% of the total points
F =	<79% of the total points

Tentative Lecture Outline:

<u>WEEK</u>	<u>TOPIC/ACTIVITY</u>	<u>QUIZ/TEST/ASSIGNMENT</u>
1/8	OB 1 st Trimester Lecture Ppt	OB/GYN Assignment 1
1/15	OB 1 st Trimester Image Scanning	Assignment 1 Due Quiz 1 1 st Trimester Protocol
1/22	Cervix Lecture Ppt	Presentation Handout Due
1/29	OB fetal growth Lecture Ppt	
2/5	OB fetal head Scanning	
2/12	Head & abdominal circumference (AC) Scanning	
2/19	Head & AC Scanning	
2/26	Head, AC and femur length	
3/4	March 4-8 Spring Break	
3/11	Fetal growth imaging	
3/18	Fetal growth imaging	Quiz 2 Fetal Growth Protocol
3/25	Lab Assessment Fetal Growth	Fetal Growth Image Ppt Due
4/1	OB/GYN II Final Test	Final Test
4/8		

CTE Competency/Department Learning Outcome(s):

CTE Competency #1: Employ industry-specific skills in preparation for workplace readiness

Learning outcome #1 – Students will be able to formulate effective technical factors based on patient body habitus, pathology and equipment limitations. SLO 1.1

Learning outcome #2 – Students will demonstrate effective written communication skills to articulate appropriate patient information SLO 2.1

Relationship to Campus Focus:

This course addresses a DMS Program theme by developing the knowledge and psychomotor scanning skill sets necessary to perform female pelvic and obstetrical sonography utilizing the protocols and techniques that are currently used in sonographic imaging. Special focus will be on sonographic techniques used in gynecology and obstetrical scanning in identifying normal and abnormal embryonic development, the assessment of embryonic growth in the normal first trimester, normal second trimester as well as complications occurring in the first trimester.

Classroom Policies

1. Cell phones and related devices are prohibited in the classroom at all times. It is recommended that you do not bring your cell phone or other electronic devices into the classroom or, at the very least, turn it off.
2. Food and beverages are permitted in accordance with classroom policy.
3. Be respectful of other students, instructors, and guests.

Student Email Policy

Trinity Health is increasingly dependent upon email as an official form of communication. A student's assigned email address will be the only one recognized for official mailings. The liability for missing or not acting upon important information conveyed via Trinity Health DMS Program email rests with the student.

Academic Integrity

According to the DCB Student Handbook, students are responsible for submitting their own work. Students who cooperate on oral or written examinations or work without authorization share the responsibility for violation of academic principles and the students are subject to disciplinary action even when one of the students is not enrolled in the course where the violation occurred. The Code detailed in the Academic Honesty/Dishonesty section of the Student Handbook will serve as the guideline for cases where cheating, plagiarism or other academic improprieties have occurred. Additionally, dishonesty in the classroom or laboratory and with assignments, quizzes and exams is a serious offense and is subject to disciplinary action by the DMS Program Director. For more information, refer to the Trinity Health DMS Program Handbook policies.

Disabilities and Special Needs

If you have a disability for which you are or may be requesting an accommodation, you are encouraged to contact the Program Director (701-857-5620) as early as possible during the beginning of the semester.

Title IX:

Trinity Health, Minot State University and Dakota College at Bottineau (DCB) faculty are committed to helping create a safe learning environment for all students and for the College as a whole. Please be aware that all MSU and DCB employees (other than those designated as confidential resources such as advocates, counselors, clergy and healthcare providers) are required to report information about such discrimination and harassment to the College Title IX Coordinator. This means that if a student tells a faculty member about a situation of sexual harassment or sexual violence, or other related misconduct, the faculty member must share that information with the College's Title IX Coordinator. Students wishing to speak to a confidential employee who does not have this reporting responsibility can find a list of resources on the MSU or DCB Title IX webpage.