

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 fetus as visualized by sonography. This course is integrated with DMS-232, the sonographic techniques for evaluation of abnormalities, fetal growth assessment, high risk obstetrics and post-partum complications. Color and spectral Doppler applications will also be applied to the appropriate anatomy.

Pre-requisites: DMS-231, DMS-231L

Corequisites: DMS-232, DMS-224, DMS-224L, DMS-251, DMS-283

Instructor: 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: 9:00 – 11:00 pm MW August 31 to December 18 in Suite 301

Lab Schedule: 3:00 – 4:00 pm MW August 31 to December 18 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 Course Outline:

WEEK	TOPIC	READING
1	fetal structure abnormalities	Chpt 51
2	continued	
3	assessment of abnormal fetal growth	Chpt 53
4	continued	
5	genetic abnormalities and syndromes	Chpt 54
6	continued	
7	high risk obstetrics	Chpt 54
8	continued	
9	interventional obstetrical procedures	Chpt 47
10	continued	
11	post-partum complications	Chpt 47
12	role of sonography in obstetrics	
13	performance standards and documentation	Chpt 52
14	clinical ethics for obstetrical sonography	Chpt 48
15	review	
16	testing	

Course Goal and Objectives

Goal:

The goal of this course is to introduce the sonography student to the ultrasound imaging techniques used in gynecology and obstetric scanning, for identifying normal and abnormal fetal development, assessment of fetal growth in the normal second and third trimester, genetic abnormalities of fetal structures, post-partum complications and high-risk obstetrics

Objectives:

1. Identify the sonographic appearance of normal fetal structural anatomy.
2. Describe the transabdominal scanning techniques and protocols used in obstetrical scanning.
3. Define the pathologies discussed in this course and describe their sonographic appearance.
4. Describe the normal development of the fetus and its sonographic appearance at different gestational ages.



5. Describe viable and nonviable fetus with appropriate terminology.
6. Define post-partum complications discussed in this course and describe the sonographic appearance
7. Define and describe high-risk pregnancy and the maternal and fetal factors for a pregnancy considered high risk

General Education (GE) Goal and Objectives

Not applicable

Relationship to Campus Focus:

This course addresses a DMS Program theme by developing the knowledge and psychomotor scanning skill sets necessary to perform gynecologic and obstetrical sonography, utilizing the protocols and techniques that are currently used in sonographic imaging.

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

All students are expected to adhere to the highest standards of academic integrity. Dishonesty in the classroom or laboratory and with assignments, quizzes and exams is a serious offense and is subject to disciplinary action by the Program Director. For more information, refer to the 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:

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 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 DCB Title IX webpage.