

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

Number of Credits: 3 semester credits

Course Description:

This course is the study of the role of sonography in obstetrics, to include topics of indications for and types of obstetric sonography, patient history, maternal risk factors and guidelines for first-, second- and third-trimester obstetric sonographic examinations, normal first and second trimester and first trimester complications. This course is integrated with DMS-232L, a hands-on sonographic scanning lab that focuses on the knowledge, skills and techniques for acquisition of appropriate sonographic protocols and image optimization of fetal growth and development. Color and spectral Doppler applications will also be applied to the appropriate anatomy.

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

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

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: 12:30 – 3:30 pm Mon. January 10 to May 13 in Suite 301

Lab Schedule: 8:30 – 10:30 am MW January 10 to May 13 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</u>	<u>READING</u>
1/10	role of sonography in obstetrics, indications,	Chpt 47
1/17	clinical ethics	Chpt 48
1/24	1 st trimester sonographic imaging	Chpt 49
1/31	“ “	
2/7	“ “	
2/14	1 st trimester, quiz	
2/21	1st trimester complications	Chpt 50
2/28	“ “	
3/7	assignment 1 st trimester presentation	
3/14	March 14-18 Spring Break	
3/21	sonographic technique and evaluation of normal 2 nd tri	Chpt 51
3/28	sonography of normal 2 nd and 3 rd trimester fetal anatomy	
4/4	continued; quiz 2 nd and 3 rd trimester	
4/11	measurements of gestational age, 1st, 2nd, 3rd trimesters	Chpt 52
4/18	continued	
4/25	fetal growth assessment, IUGR, fetal wellbeing evaluation	Chpt 53
5/2 & 5/9	review and 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 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.

Objectives:

1. Describe the early development of the embryo and sonographic appearance at various gestational ages.
2. Define sonographic characteristics of the yolk sac, embryo, amnion, chorion and gestational sac.
3. Identify the sonographic goals of and measurements performed in the first trimester appearance of normal embryonic and fetal structural anatomy.
4. Describe the transvaginal and transabdominal scanning techniques and protocols used in first trimester obstetrical scanning.
5. Describe the normal development of the fetus and its sonographic appearance at

different gestational ages.

6. Describe viable and nonviable fetus with appropriate terminology.

General Education (GE) Goal and Objectives

Not applicable

Relationship to Campus Theme:

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.