



Course Prefix/Number/Title: DMS 231 OB GYN I

Number of Credits: 2 semester credits

Course Description:

This course is the study of the anatomy, physiology, pathology and pathophysiology of the organs and structures of the female pelvic cavity as visualized by sonography, including the application of Doppler principles. The study of the anatomy, physiology, and sonographic appearance of the first trimester pregnancy and fetal development is included. This course is integrated with DMS-231L, a hands-on sonographic scanning lab that focuses on the knowledge, skills and techniques for acquisition of appropriate sonographic protocols and image optimization of the female pelvic organs, including first trimester pregnancy and fetal development. Color and spectral Doppler applications will also be applied to the appropriate

Pre-/Co-requisites: DMS 231L

Course Objectives:

1. Identify the sonographic appearance of normal female pelvic anatomy.
2. Describe the transabdominal and transvaginal scanning techniques and protocols used in gynecologic scanning.
3. Define the pathologies discussed in this course and describe their sonographic appearance.
4. Describe the normal development of the embryo and its sonographic appearance at different gestational ages.
5. Describe viable and nonviable fetus with appropriate terminology.
6. Define the first trimester complications discussed in this course and describe their sonographic appearance
7. Discuss gestational, fetal growth, take measurements and assess development and age
8. Define and describe high-risk pregnancy and the maternal and fetal factors for a pregnancy considered high risk

Instructor: Amy Hofmann, Megan McKay

Office: Suite 302 5th Ave Building, Trinity Health

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

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Lecture/Lab Schedule: 8:30 – 10:30 am/12:00 -2:00 pm MW in Suite 301

Textbook(s): Diagnostic Sonography, Hagen-Ansert, 8th Edition; Workbook Diagnostic Sonography, Hagen-Ansert, 8th Edition

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
4	sonographic evaluation of normal	Chpt 41
5	anatomy and physiology of the female pelvis	
6	sonographic and doppler evaluation of normal	Chpt 42
7	female pelvis	
8	Quiz 1 on Chapters 41-42	
9	sonographic evaluation of pathology of the uterus	Chpt 43
10	continued	
11	pathology evaluation of the ovaries	Chpt 44
12	continued	
13	Quiz 2 on Chapters 43-44	
14	pathology of the adnexa	Chpt 45
15	assignment due PPP on pathology of uterus	
16	Role of ultrasound in evaluating female infertility	Chpt 46
17	Final Test on Chapters 41-46	

CTE Competency/Department Learning Outcome(s):

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

Learning outcome #1 – Students will demonstrate professional behavior in the classroom and clinical setting by modeling ethical health care standards related to HIPPA, patient rights, dignity, respect and compassion. SLO 3.2

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 sonography utilizing the protocols and techniques that are currently used in sonographic imaging.

Classroom Policies:

1. Cell phones and related devices are monitored 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, get instructor permission to use approved devices as classroom learning resources.
2. Food and beverages are permitted in accordance with classroom policy.
3. Be respectful of other students, instructors, and guests.

Student Email Policy:

Dakota College at Bottineau is increasingly dependent upon email as an official form of communication. A student's campus-assigned email address will be the only one recognized by the Campus for official mailings. The liability for missing or not acting upon important information conveyed via campus email rests with the student. Additionally, student must provide Trinity Health DMS faculty with a personal email address for communication while in the program.

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 or Special Needs:

Students with disabilities or special needs (academic or otherwise) are encouraged to contact the instructor and Disability Support Services.

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.