



Course Prefix/Number/Title: DMS-224 Abdominal Ultrasound IV

Number of Credits: 3

Course Description: This course is the continuation study of the anatomy, physiology, pathology and pathophysiology of superficial tissue to include abdominal wall and cavities, gastrointestinal tract, neonatal brain, spine, hip and musculoskeletal sonography.

Pre-requisites: DMS-223, DMS-223L

Corequisites: DMS-224L, DMS-251, DMS-232; DMS-232L, DMS-284

Course Objectives: This course is integrated with DMS-224L, 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 abdominal wall, cavities, gastrointestinal tract, neonatal brain, spine, hip and musculoskeletal sonographic techniques. Color and spectral Doppler applications will also be applied to the appropriate anatomy.

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 – 2:00 pm MW August 31 to December 18 in Suite 301

Lab Schedule: 2:00 – 3:00 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	Anatomy and physiology, abdominopelvic cavity	Chpt 4
2	continued	
3	comparative sectional anatomy, abdominopelvic	Chpt 5
4	gastrointestinal tract	Chpt 13
5	continued	
6	vascular system	Chpt 8
7	continued	
8	neonatal abdomen, and urinary system	Chpt 25,26
9	neonatal brain and spine	Chpt 27, 29
10	neonatal hip	Chpt 28
11	professionalism	
12	practice standards	
13	medical ethics in sonography	
14	Review	
15	continued review	
16	Testing	

General Education Competency/Learning Outcomes

None

Relationship to Campus Focus:

This course addresses a DMS Program theme by developing the knowledge and psychomotor scanning skill sets necessary to perform sonography of abdominopelvic cavity, gastrointestinal tract, neonatal abdominopelvic, spine, brain and hip 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

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.

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.

Disabilities and Special Needs

Students with disabilities or special needs (academic or otherwise) are encouraged to contact the instructor and Disability Support Services within the first two weeks of the semester to line up accommodations.

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.