



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

**Number of Credits:** 1

**Course Description:** This course is a hands-on sonographic scanning lab and the continuation in study of the anatomy, physiology, pathology and pathophysiology of the abdominal wall and cavities, gastrointestinal tract, neonatal brain, spine, hip and musculoskeletal sonography.

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

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

**Course Objectives:** This course is integrated with DMS-224, a focus 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 5<sup>th</sup> Ave Building, Trinity Health

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

**Phone:** 857-5620

**Email:** [amy.hofmann@trinityhealth.org](mailto: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, 8<sup>th</sup> 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	open scanning	
12	medical emergencies	
13	professionalism	
14	practice standards	
15	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.