



**Course Prefix/Number/Title:** DMS 251 Patient Care and Professionalism

**Number of Credits:** 1 semester credit

**Course Description:**

The course will focus on the knowledge, skills and techniques required of the sonographer in order to provide safe, high quality patient care while in the imaging department. The components include patient transfer and immobilization techniques, use and care of intravenous lines, catheters, percutaneous drains and oxygen administration devices, infection control, transducer preparation and disinfection techniques, and appropriate responses to specific medical emergencies. Medical ethics, professionalism, practice standards and the sonographer code of ethics will also be discussed.

**Pre-/Co-requisites:** DMS 212, DMS 283

**Course Objectives:**

1. Demonstrate patient transfer and immobilization techniques with consideration to safety of patient and Self.
2. Evaluate and develop proper sonography ergonomics skills, proper posture and body mechanics and methods to prevent work-related musculoskeletal disorders.
3. Define and apply medical terms in the imaging department.
4. Explain methods of infection control, standard precaution practices, proper use of personal protective equipment and proper disposal of contaminated biohazard materials.
5. Discuss basic pharmacologic agents and contrast media used in sonographic procedures.
6. Discuss the use of and care for intravenous lines, catheters, percutaneous drains and oxygen administration devices.
7. Describe isolation precautions and aseptic techniques.
8. Analyze the significance of appropriate ethical and professional behaviors.
9. Describe legal concerns in medicine, including patient rights, HIPAA rules and regulations.
10. Describe a sonographer's scope of practice.
11. Demonstrate effective acquisition and reporting of patient history and sonographic findings.
12. Discuss the components of an effective emergency preparedness plan.
13. Describe techniques to assess patient's physical, cognitive and neurologic state to appropriately recognize and respond to care needs and signs and symptoms of various medical emergencies.
14. Demonstrate key skills of effective communication and cultural competence.

**Instructor:** Amy Hofmann

**Office:** Q5101 Medical Arts Clinic, Trinity Health

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

**Phone:** 701-857-5620

**Email:** amy.hofmann@trinityhealth.org

**Lecture/Lab Schedule:** 9:30 – 11:30 am Tu June 3 to July 22 in MAC Skywalk Classroom A

**Textbook(s):** Introduction to Sonography and Patient Care, S. Penny, 2nd EditionDiagnostic Sonography, Hagen-Ansert, 9th Edition; Workbook Diagnostic Sonography, Hagen-Ansert, 9th 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
6/3	Responsibilities and expectations of the clinical sonographer; Historical, current, future applications of sonography	Ch 2 Ch 3
6/10	Professional environment, career establishment	Ch 4
6/17	Ergonomics, body mechanics, lifts, transfers	Ch 5/Ch 3 HA
6/24	Ethics and Professionalism Legal essentials and patient rights	Ch 6 Ch 7/Ch 2 HA
7/1	Communication, Diversity, Cultural Awareness	Ch 9
7/8	Patient assessment, (vital signs), assistance, oxygen therapy and devices, administration of care tubes, lines, indwelling catheters Response to medical emergencies	Ch 10/Ch 2 HA  Ch 11
7/15	Infection Control, Standard Precautions Invasive Procedures and Surgical Asepsis	Ch 12 Ch 13
7/22	Review Testing	

**CTE Competency/Department Learning Outcome(s):**

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

Learning outcome #1 – Students demonstrate ability to effectively collaborate and communicate with health care team members via written communication to provide optimal patient assessment, diagnosis and care. SLO 2.1

Learning outcome #2 – Students will demonstrate effective oral communication skills to articulate appropriate patient information. SLO 2.2

Learning outcome #3 – Students will model ethical health care standards related to HIPAA and patient rights. SLO 3.1

Learning outcome #4 – students will demonstrate professional behavior in the classroom and clinical setting by treating others with dignity, respect and compassion. SLO 3.2

**Relationship to Campus Focus:** This course addresses a DMS Program theme by developing the knowledge and cultural competency skill sets necessary to provide safe, high quality patient care for the neonate, pediatric, adult and geriatric patient 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:**

The Dakota College at Bottineau campus community is increasingly dependent upon electronic communication among faculty, staff and students. A student's campus-assigned e-mail 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 email because of a failure to access a campus-assigned e-mail address rests with the student. Additionally, students will be provided a Trinity Health email address. Students must also 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.

**AI Student Policy:**

Unless otherwise indicated in the course syllabus, or in individual instructions for course assignments, or in the absence of the express consent of the course instructor, students are not allowed to utilize generative AI to help produce any of their academic work. Any violation of this policy will be considered an act of academic dishonesty as outlined within the Dakota College Code of Student Life.

**RESPONSIBILITIES**

Students	<ul style="list-style-type: none"><li>• Responsible to follow the syllabus and assignment instructions regarding use of generative AI for all academic work.</li><li>• Obtain permission of the instructor prior to the use of generative AI that is outside of the syllabus or assignment instructions. Provide appropriate rationale for how the use of generative AI will enhance the learning experience for the assignment.</li><li>• In instances where generative AI is permissible, appropriately cite the generative AI program used and indicate where in the assignment it was used, in a brief submission statement.</li></ul>
Faculty	<ul style="list-style-type: none"><li>• Determine if the use of generative AI could enhance student learning in any assignment or project.</li><li>• Clearly indicate in all course syllabi if generative AI is allowable for any academic work.</li><li>• If allowable, give specific parameters for how and when generative AI may be used.</li><li>• If a violation of generative AI for the individual course/syllabus is suspected, discuss the concern with the student. If violation is still suspected, inform the appropriate semester coordinator/program director.</li></ul>