

**Course Prefix/Number/Title:** DMS-251 Patient Care

**Number of Credits:** 1

**Course Description:** This course is the study of patient assessment and administration of care as necessary to provide safe, high quality patient care while patients are in the sonography department.

**Pre-requisites:**

**Corequisites:** DMS-212, DMS-283

**Course Objectives:** This 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.

**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:** 10:30 –11:30 am Tu in Suite 301

**Lab Schedule:** None

**Textbook:** Introduction to Sonography and Patient Care, S. Penny 2<sup>nd</sup> Edition; 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 Lecture Outline:**

<u>WEEK</u>	<u>TOPIC</u>	<u>READING</u>
6/7	Essentials of patient care Patient Assessment & Assistance	Hagen Chpt 2 Penny Chpt 10

6/14	Serving in Healthcare, Clinical Responsibilities, Ergonomics, Preventing WRMSD	Penny Chpt 2 Hagen Chpt 3 Penny Chpt 5
6/20	Oxygen therapy and devices tubes, lines, indwelling catheters	Penny Chpt 10
6/27	Infection control, standard precautions Workplace exposure, medical asepsis	Penny Chpt 12
7/5	Medical emergencies, Invasive procedures	Penny Chpt 11,13
7/11	Professional environment, leadership, career establishment, technologies and future applications	Penny Chpt 4 Penny Chpt 3
7/18	Ethics, Legal essentials and patient rights Communication and cultural competence	Penny Chpt 6,7 Penny Chpt 9
7/25	Review and testing	

### **Course Goals/Objectives/Learning Outcomes**

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

### **Relationship to Campus Theme:**

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 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.