

Bergen Community College
Division of Health Professions
Department of Diagnostic Medical Sonography

DMS-102 Clinical Medicine and Patient Care

Course Information

Semester and Year:

Course and Section Number:

Meeting Times and Locations:

Instructor:

Office Location:

Phone:

Departmental Secretary:

Office Hours:

Email Address:

Course Description

This course will enable the student to provide quality patient care while demonstrating the application of technical skills needed to perform ultrasound procedures. Medical term definitions will also be presented and practical applications of medical terminology will be covered. An understanding of pertinent emergency care, patient psychology, medical ethics and management skills will be presented.

2 Credits: 2 Lecture Hours

Prerequisites: DMS-101; DMS-113; DMS-115

Student Learning Outcomes: As a result of meeting the requirements in this course, students will be able to:

1. Define standard medical abbreviations currently used in routine laboratory reports in patient care, surgical reports, and in communication.
2. Discuss the role of ultrasound and the sonographer as part of the health care team.
3. Explain how sonographers can make ethical and legal decisions within the scope of practice.
4. Demonstrate an ability to spell, pronounce, and recognize medical vocabulary and its components; i.e. roots, combining forms, prefixes, and suffixes.
5. Implement the skills and knowledge necessary to care for patients during ultrasound exams.

Means of Assessment: Students will be assessed in the following methods:

Midterm and final examinations, quizzes, lab preparations and assignments

Course Content

This course will enable the student to provide quality patient care while demonstrating the application of technical skills needed to perform ultrasound procedures. Medical term definitions will be presented and practical applications of medical terminology will be covered. An understanding of pertinent emergency care, patient psychology, medical ethics, and management skills will be presented.

Course Texts and/or Other Study Materials

Essentials of Sonography and Patient Care by M.R. De Jong

Grading Policy

Short Writing Assignments Following a disabilities lab, the student will describe how the experience will inform their role as a healthcare provider.

Final Grade Calculation: Final grades will be calculated as follows:

Quiz average (4)	25%	Midterm exam	25%
Labs	25%	Final exam	25%

Grade Scale: All grades are absolute and will NOT be rounded off.

A	92% – 100%	C+	79% – 82.9%
B+	88% – 91.9%	C	75% – 78.9%
B	83% – 87.9%	F	0% – 74.9%

Academic Integrity Policy and Attendance Policy

Academic Integrity

Academic dishonesty is a serious violation of BCC policy and personal ethics and will be treated as such if the reason for suspicion should arise. Students should be careful to avoid plagiarism, falsification, and compliance. Academic integrity is vital to an academic community and for fair evaluation of student assessments. All assessments submitted must be your own, completed in accordance with the college's academic policies and the student code of conduct. You may not engage in unauthorized collaboration or make use of any artificial intelligence (AI) composition systems. Academic dishonesty also includes cheating on examinations. Refer to the [BCC student code of conduct](#), student handbook for additional information, and the statement on plagiarism (<https://catalog.bergen.edu/content.php?catoid=4&navoid=163#academic-dishonesty>).

BCC Attendance Policy

All students are expected to attend and be punctual for every scheduled meeting of each course in which the student is registered. Attendance and lateness policies and sanctions are to be determined by the director for each section of each course. These are in writing in the Policy and Procedure Student Handbook and in each course outline.

Other College, Divisional, and/or Departmental Policy Statements

Accommodations for Disabilities

Bergen community college aims to create inclusive learning environments where all students have maximum opportunities for success. Any student who feels he or she may need an accommodation based on a disability should contact the Office of Special Services.

Americans with Disabilities Act: Students who require accommodations by the Americans with Disabilities Act [ADA] can request support services from "The Office of Specialized Services of Bergen Community College] 201-612-5270/5269 or via email at ossinfo@bergen.edu.

Mental Health and Well Being

Mental Health concerns or stressful events may lead to diminished academic performance or reduce a student's ability to participate in daily activities. Bergen Community College has licensed personal counselors available to assist you with addressing these and other concerns you may be experiencing.

You can learn about the confidential mental health services available on campus via the Health and Wellness Center at www.bergen.edu/personal_counseling.

**Student and Facility Support Services
Available Online and On-Campus Resources**

[Library- https://bergen.edu/library/](https://bergen.edu/library/)

[Academic support https://bergen.edu/academics/pathway-scholars-program/academic-support](https://bergen.edu/academics/pathway-scholars-program/academic-support)

[The Writing center and Tutoring Center- L-125 https://Bergen.edu/tutoring/writing center/](https://Bergen.edu/tutoring/writing center/)
[OWL\(Online Writing Lab\) http://www.owl.english.perdue](http://www.owl.english.perdue)

[Free Time Computer Labs https://Bergen.edu/technology assistance/computer lab availability/](https://Bergen.edu/technology assistance/computer lab availability/)

[The Center for student A-118 \(Academic, Career, International, and Transfer Counselors\) https://bergen.edu/center-for-student-success/](https://bergen.edu/center-for-student-success/)

[Personal counseling HS-100 https://bergen.edu/health-wellness-and-personal-counseling/personalcounseling/](https://bergen.edu/health-wellness-and-personal-counseling/personalcounseling/)

Sample Course Outline

Week	Topic/Activity	Assignments/Events
1	Lecture 1: Introduction to Diagnostic Medical Sonography, the Sonography Student Introduction to medical terminology: structure, roots, suffixes, & prefixes	
2	Lecture 2: Medical Techniques & Patient Care – Sepsis, Gloving & PPE, Handwashing Terminology in body structure	
3	Lecture 3: Patient Care in Sonography, Maslow’s Hierarchy of Needs, Charting Cardiovascular system terminology Handwashing Lab	Quiz #1 due
4	Lecture 4: Medical Techniques & Patient Care – Patient Rights, Vitals, O2, Shock, Transfer Respiratory system terminology Gloving Practice	
5	Lecture 5: Ergonomics and Safety Blood, lymphatic, & immune system terminology Gloving Lab	
6	Lecture 6: Scheduling, Preps, Protocols, Positioning	Quiz #2 due
7	MIDTERM	MIDTERM
8	Lecture 7: Legal and Ethical Aspects of Sonography, Management Nervous, integumentary, endocrine, and musculoskeletal system terminology	
9	Lecture 8: Communication & Critical Thinking Urinary, reproductive, and digestive system terminology	Quiz #3 due
10	Lecture 9: Ethics, Social Media, Common Abbreviations, Contrast, Medications The Professional Sonographer	
11	Vitals Lab (Center for Simulation)	Quiz #4 due
12	FINAL EXAM	FINAL EXAM
13	Assisting the Patient (Center for Simulation)	Social Media Post-Test due

14	PPE Lab Lab make up if needed	
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Note to Students: This Course Outline and Calendar is tentative and subject to change, depending upon the progress of the class.