



NURS 3353

Informatics and Technology

Fall 2023 2nd 8-Weeks Internet Course

Instructor:

Deosha Anderson, MSN, RN, danderson@com.edu (409)-933-8143

Student hours and location:

Virtual, by appointment

Required Textbook/Materials:

Nelson, R. & Staggers, N. (2018). *Health Informatics: An Interprofessional Approach, 2nd edition*. St. Louis: Elsevier, Inc.

Textbook Purchasing Statement:

A student attending College of the Mainland is not under any obligation to purchase a textbook from the college-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.

Course Description:

This course establishes the role of electronic information infrastructure in the delivery of care within the institution and inter-disciplinary care team. The focus of this course includes the utilization of informatics to access data to enhance quality and continuity of care in a variety of healthcare settings. (Credit 3: Lecture 3, Lab 0) (8-week course, 48 contact hours)

Course requirements: (including description of any special projects or assignments)

1. **Discussion board (7):** Assess knowledge and application of incremental course content. Students are required to submit a primary post each week that is reflective of the weekly reading assignments and is supported by cited references. Students are required to reply to two of their peers/faculty postings each week and responses must entail new information to the post supported by cited references. Failure to submit assignments by the designated due date may result in a zero for the assignment.
2. **Quizzes (8):** Assesses knowledge and application of content integrated within the course. Students will complete quizzes as assigned, each due at midnight on the assigned deadline. The quizzes are multiple choice, multiple answer, and alternative-style questions. The student will have one attempt to complete each quiz, which will be averaged for the quiz grade.
3. **Group Paper Project:** Assesses ability to synthesize information when collaborating on a topic with peers/faculty in which the assigned group of students will choose a relevant informatics topic to develop a nursing perspective in the healthcare setting. The students will

analyze the roles of the baccalaureate prepared nurse including Provider of patient- centered care, Patient safety advocate, Member of the Interdisciplinary Team, and Member of the Profession.

4. **Reflection Paper:** This assignment aims to foster self-awareness and critical thinking by having students reflect on their learning journey throughout the nursing informatics course. Through this reflection, students will explore how the course content, activities, and interactions have contributed to their growth as informed nursing professionals.

Determination of Course Grade/Detailed Grading Formula:

Assignment	%
Discussion Board	25 %
Unit Quizzes	25 %
Reflection Paper	15 %
Group Project Paper	35%
Grade Total	100%
*A Grade Total of at least 70% is required to pass the course.	

Late Work, Make-Up, and Extra-Credit Policy:

All course assignments are expected to be completed and submitted on the specified due date. See Late Assignments policy in the Nursing Student Handbook.

Attendance Policy:

Students are expected to log into the D2L LMS a minimum of three times per week. Failure to log in may result in a withdrawal from the course due tononattendance.

Communicating with your instructor:

ALL electronic communication with the instructor must be through your COM email. Due to FERPA restrictions, faculty cannot share any information about performance in the class through other electronic means.

Student Learner Outcome	Maps to end of Program Outcomes (Student) SLO's	Assessed via this Assignment
1. Integrate knowledge, skills, and abilities gained from personal experiential learning, prerequisite, and co-requisite courses in the program of study.	Synthesize knowledge, skills, and values from the arts, sciences, and humanities as an exemplar of professional nursing and an advocate of social justice.	Weekly discussion board
2. Discuss the history and current scope of practice for health informatics in healthcare.		Weekly discussion board

<p>3. Develop basic understanding of common computer-generated spreadsheets and the application to nursing.</p>	<p>Utilize data to monitor outcomes of care and improvement methods to continuously improve the quality and safety of nursing care to minimize risk of harm individually and across the healthcare system.</p>	<p>Unit quizzes</p>
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4. Use databases to access information.	Utilize data to monitor outcomes of care and improvement methods to continuously improve the quality and safety of nursing care to minimize risk of harm individually and across the healthcare system.	Group informatics term paper project Weekly discussion board
5. Integrate information technology to provide safe, patient-centered care.	Utilize data to monitor outcomes of care and improvement methods to continuously improve the quality and safety of nursing care to minimize risk of harm individually and across the healthcare system.	Weekly discussion board
6. Differentiate the information needs of the healthcare provider, patient, organization, and insurer in various healthcare settings.		Group informatics term project paper Weekly discussion board
7. Distinguish the legal and ethical implications related to use of information technology.		Group informatics term project paper Weekly discussion board
8. Analyze the impact of information technology on the delivery of safe quality care at the organizational level.	Provide comprehensive patient-centered care utilizing an organized framework to make individual, community, and population-based decisions grounded in evidence-based practice.	Unit quizzes Group project paper Discussion board
9. Evaluate the impact of information technology on the delivery of safe quality care for the individual, family, and community.		Weekly discussion board Group project paper
10. Examine the relationship of information technology to interdisciplinary communication, collaboration, and continuity of care.	Communicate and collaborate with the interdisciplinary team to lead and manage shared decision-making for optimal patient, family, population, and community outcomes.	Weekly discussion board Group project paper

Academic Dishonesty: (Describe your academic dishonesty policy and state consequences if it is violated)

Student Concerns: If you have any questions or concerns about any aspect of this course, please contact me using the contact information previously provided. If, after discussing your concern with me, you continue to have questions, please contact Dr. Debra Bauer, Director of Nursing at nursing@com.edu

Course outline:

**NURS 3353 Informatics and Technology in Healthcare
Course Calendar**

Semester Dates	Course Content	Learning Activities and Assignments	Due Date
Week 1	Chapter 1 Chapter 3	1.1 Discussion Board 1.2 Discussion Board 1.3 Weekly Quiz	Discussion Board Initial Post due on Wednesday. 2 replies to peers due on Sunday by 2359 Weekly Quiz due Sunday by 2359
Week 2	Chapter 6 Chapter 8 Chapter 9	2.1 Discussion Board 2.2 Weekly Quiz	Discussion Board Initial Post due on Wednesday. 2 replies to peers due on Sunday by 2359 Weekly Quiz due Sunday by 2359
Week 3	Chapter 10 Chapter 12	3.1 Discussion Board 3.2 Weekly Quiz	Discussion Board Initial Post due on Wednesday. 2 replies to peers due on Sunday by 2359 Weekly Quiz due Sunday by 2359
Week 4	Chapter 13 Chapter 14	4.1 Discussion Board 4.2 Weekly Quiz	Discussion Board Initial Post due on Wednesday. 2 replies to peers due on Sunday by 2359 Weekly Quiz due Sunday by 2359
Week 5	Chapter 21 Chapter 24	5.1 Discussion Board 5.2 Weekly Quiz	Discussion Board Initial Post due on Wednesday. 2 replies to peers due on Sunday by 2359 Weekly Quiz due Sunday by 2359
Week 6	Chapter 25	6.1 Discussion Board	Discussion Board Initial Post due on Wednesday. 2 replies to peers due on Sunday by 2359

	Chapter 26	6.2 Weekly Quiz	Weekly Quiz due Sunday by 2359
Week 7	Chapter 28 Chapter 33	7.1 Group Paper	Group Project Paper due Sunday by 2359
Week 8	Chapter 34 Chapter 35	8.1 Reflection Paper 8.2 Weekly Quiz	Reflection Paper due Friday by 1200 Weekly Quiz due Friday by 1200

Institutional Policies and Guidelines

Grade Appeal Process: Concerns about the accuracy of grades should first be discussed with the instructor. A request for a change of grade is a formal request and must be made within six months of the grade assignment. Directions for filing an appeal can be found in the student handbook https://www.com.edu/student-services/docs/Student_Handbook_2023-2024_v2.pdf. *An appeal will not be considered because of general dissatisfaction with a grade, penalty, or outcome of a course. Disagreement with the instructor’s professional judgment of the quality of the student’s work and performance is also not an admissible basis for a grade appeal.*

Academic Success & Support Services: College of the Mainland is committed to providing students the necessary support and tools for success in their college careers. Support is offered through our Tutoring Services, Library, Counseling, and through Student Services. Please discuss any concerns with your faculty or an advisor.

ADA Statement: Any student with a documented disability needing academic accommodations is requested to contact Kimberly Lachney at 409-933-8919 or klachney@com.edu. The Office of Services for Students with Disabilities is located in the Student Success Center.

Textbook Purchasing Statement: A student attending College of the Mainland is not under any obligation to purchase a textbook from the college-affiliated bookstore. The same textbook may also be available from an independent retailer, including an online retailer.

Withdrawal Policy: Students may withdraw from this course for any reason prior to the last eligible day for a “W” grade. Before withdrawing students should speak with the instructor and consult an advisor. Students are permitted to withdraw only six times during their college career by state law. The last date to withdraw from the 1st 8-week session is October 11. The last date to withdraw from the 16-week session is November 28. The last date to withdraw for the 2nd 8-week session is December 7.

FN Grading: The FN grade is issued in cases of *failure due to a lack of attendance*, as determined by the instructor. The FN grade may be issued for cases in which the student ceases or fails to attend class, submit assignments, or participate in required capacities, and for which the student has failed to withdraw. The issuing

of the FN grade is at the discretion of the instructor. The last date of attendance should be documented for submission of an FN grade.

Early Alert Program: The Student Success Center at College of the Mainland has implemented an Early Alert Program because student success and retention are very important to us. I have been asked to refer students to the program throughout the semester if they are having difficulty completing assignments or have poor attendance. If you are referred to the Early Alert Program you will be contacted by someone in the Student Success Center who will schedule a meeting with you to see what assistance they can offer in order for you to meet your academic goals.

Resources to Help with Stress:

If you are experiencing stress or anxiety about your daily living needs including food, housing or just feel you could benefit from free resources to help you through a difficult time, please click here <https://www.com.edu/community-resource-center/>. College of the Mainland has partnered with free community resources to help you stay on track with your schoolwork, by addressing life issues that get in the way of doing your best in school. All services are private and confidential. You may also contact the Dean of Students office at deanofstudents@com.edu or communityresources@com.edu.