

Nursing Informatics: Course Syllabus

General Information

COURSE NUMBER: NURS 611

COURSE TITLE: Nursing Informatics

CREDIT HOURS: Two (2) semester hours

PREREQUISITES: As provided by faculty department

OFFICE HOURS: 11:30 – 3:00 PM Tuesday through Friday, or by scheduling an appointment.

COURSE FACULTY: Ani Ovsepien, RN, MSN

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Course Description

The course offers a synopsis of information management through the utilization of the ideas of information, nursing and computer. Nursing informatics remains a vital part of the health and nursing curriculum on diverse levels of global nursing programs. This course is directed towards how nursing practitioners use information technology (IT) within the management, training, research and practice environments to enhance effective communication and nursing care provision. The course prepares learners to adopt technologies in health and informatics to assist in the administration of individuals, groups and enterprises to advance positive health outcomes for patients. The course is geared towards assisting learners to utilize informatics within the nursing care systems.

Course Outcome Objectives

There are various outcomes, which determine successful accomplishment of course program requirements. Learners need to understand the concept of nursing informatics by showcasing the capability to:

- Identify nursing and IT concepts
- Assess IT systems and programs through research, quizzes, and discussions.
- Use suitable definition and terminologies connected with the subject of nursing informatics.
- Demonstrate the capability to analyze the concept I informatics in form of presentations and direct communication.
- Develop a well-researched APA formatted paper concerning a current topic in nursing informatics.

Overall, the learning outcomes for students include:

- i. The learner must determine over 75% of concepts related to IT in nursing.
- ii. The student must adopt suitable wordings and definitions in connection to nursing informatics as required in online discussions, quizzes and research papers.
- iii. The student should be able to analyze at least three computer-related applications as provided by the instructor and faculty department, and attaining a score of not less than 70% on individual assessments
- iv. To acquire a passing score for the nursing informatics quizzes, learners must achieve a score of not less than 75%.
- v. Proper APA referencing and formatting must be utilized for all research papers regarding the topic of nursing informatics and related concepts.

Required Materials and Learning Resources

The Nursing Informatics course does not require a specific textbook; relevant hyperlinks to suitable online sources are provided. Journal articles are available from the library databases.

Instructional Methods and Activities

Instructors will utilize presentations to deliver course content through the provided website, as well as classwork and assignments to advance the skills in applying software programs to improve student and department communication via email, online discussions, quizzes, productivity, and learners' presentations. Learners are encouraged to examine the application of IT systems software in nursing care and learning institutions in their sphere. Ultimately students need to share their results with classmates and assigned group members.

Classroom Policies/ Rules

Academic Integrity

Academic Integrity is expected of students enrolled in the Nursing Informatics course. Any form of cheating on examinations, plagiarism and unverified use of materials from any source will be considered academic dishonesty. The student found to have violated academic honesty terms shall attain an "F" grade or face severe disciplinary actions.

Student Participation

Learners must be prepared to handle discussion board topics, including an analysis and integration of the related topics and scholarly inquiry directed towards addressing all realms of discussion.

Online assignments and discussion board topics will be presented for class response.

Timelines is of the essence, and learners are expected to complete the assignments within the stipulated time, while adhering to given instructions for assignment completion.

For the discussion board, students must spend a minimum of three times each week, or as demanded. Discussion board responses should be thoroughly assessed and integrated for effective presentation.

Electronic Communication

Student should keep their messages brief and clearly written. It is important to be respectful of the opinions and beliefs of others, while engaging in constructive disagreement.

Email communication must be made cautiously by adopting effective interpersonal communication skills, and considering the emotions and feelings of recipient parties. High standards of professionalism must be adhered to.

Evaluation Methods

Discussion boards will be utilized to communicate the principles and ideas of nursing informatics. Learners will reflect upon topics, while making a clear assessment and synthesis of concepts provided through the discussion board. Further, they should identify peer-reviewed articles and other scholarly works in the field of nursing informatics, while determining the areas of application for nursing practice. The faculty department or instructor will assign assignments and discussion through the online Blackboard and sending emails to individual students. Three computer applications or programs are to be used by students for assessment, which must include a cover page and at least three pages of a well-formatted APA paper. There is no need to include an abstract or reference page. The research paper must be double spaced, and following a 12-point Times New Roman font. Several analysis questions are provided as follows:

- a. What kind of IT systems are required?
- b. Which computer operating system will you use for evaluation?
- c. Are spreadsheets and information bases necessary, and what is their significance?

- d. Will you adopt the Internet for research and analysis?
- e. Which word processing systems would you require and why?
- f. Which approach will apply in assessing your nursing informatics course?
- g. How will our suggested IT system incorporate nursing informatics?

Research Paper

The research paper is to be 10-12 pages in length, written in APA style and formatted with an abstract, cover page and bibliography. For this research, students are required to explore the history of nursing informatics as applicable in work settings, to facilitate your nursing practice in various settings.

The student may choose any topic of interest related to the concept of nursing informatics and connected to course readings. Recommended topics include, but not limited to:

1. The future of nursing informatics
2. Security issues in nursing informatics
3. Impact of HIPAA guidelines on nursing informatics.
4. Application of nursing informatics in clinical or other settings
6. Use of evidence-based practice in nursing informatics
7. The role of the client or patient in the utilization of nursing informatics

Exams and quizzes will be conducted online, and will include all topics covered prior to the period of exam.

Course Requirements:

Assignments - 18%

Online Exams - 12%

Online Quizzes - 10%

Research Paper - 40%

Online discussions - 20%

Total = 100%

Grading Scale:

A = 90-100%

B = 80-89%

C = 70-79%

D = 60-69%

F = 59% or below

Outline and General Timeline

Module 1: Background of Nursing Informatics

Week 1: Defining Informatics and its Core Principles.

Week 2: Terminology of Nursing Informatics

Module 2: Information Resources for Nurses

Week 3: Behaviors of nursing information users

Week 4: Application of the Internet

Module 3: Nursing Literacy

Week 5: Behaviors of nursing data users.

Week 6: Introduction to the Internet

Module 3: Use of Electronic Health Records

Week 7: Introduction and Background of EHR

Week 8: Impact of EHR in Nursing Practice

Course Brief