

**Week I Assignments**

May 15th - May 20th

**Objectives**

At the end of this lesson, you will be able to:

- Explain how informatics in health care has evolved
- Analyze the role of health care informatics in patient safety
- Describe computer and information systems in health care

**Read:**

*Handbook of Informatics for Nurses & Healthcare Professionals, 5*

- Chapter 1, "Informatics in the Healthcare Professions" (pp. 2–23, 27–29)
- Chapter 2, "Hardware, Software, and the Roles of Support Personnel" (pp. 41–57)
- Chapter 3, "Ensuring the Quality and Best Use of Information" (pp. 61–69)
- Chapter 6, "Healthcare information Systems" (pp. 113–137)
- Chapter 15, "The Role of Standardized Terminology and Language in Informatics" (pp. 297–323)
- Chapter 24, "Consumer Education and Informatics" (pp. 483)

**View:**

Online Module 1 Presentation: *Informatics In Healthcare*

**Discuss:**

- 1.1 Syllabus Agreement
- 1.2 Discussion: Self Introductions
Week II Assignments
May 21st- May 27th

Objectives

At the end of this lesson, you will be able to:

• Explain how informatics affects the nursing profession and nursing care
• Explain the role of the nurse with respect to informatics
• Analyze how informatics supports nursing education and professional development

Read:

Handbook of Informatics for Nurses & Healthcare Professionals, 5

• Chapter 1, "Informatics in the Healthcare Professions" (pp. 24–27, 29–31)
• Chapter 5, "Professional Use of Electronic Resources" (pp. 100–112)
• Chapter 7, "Strategic Planning for Information Technology Projects" (pp. 150)
• Chapter 10, "System Implementation and Maintenance" (pp. 206–207)
• Chapter 23, "Integrating Technology, Informatics, and the Internet Into Nursing Education" (pp. 455–481)
• Chapter 24, "Consumer Education and Informatics" (pp. 492–496)

View:

Online Module 2 Presentation: The Impact of Healthcare Informatics on Nursing

Discuss in Group:

Discussion 2.1: My Experience with Informatics: Win That Grant
Week III Assignments
May 28th- June 3rd

Objectives

At the end of this lesson, you will be able to:

• Describe safety concerns related to the public independently seeking health-related information on the Internet
• Explain how the quality of health-related information on the Internet can be evaluated
• Explain how the use of the Internet has evolved in health care
• Describe privacy concerns pertaining to the use of the Internet in health care

Read:

Handbook of Informatics for Nurses & Healthcare Professionals, 5

• Chapter 24, "Consumer Education and Informatics" (pp. 485–488)
• Chapter 4, "The Internet and the World Wide Web: An Overview" (pp. 74 –97)

View:

Online Module Presentation 3: The Role of the Internet in Health Care Informatics

Assessment:

3.1: Quiz - The Role of the Internet in Healthcare Informatics
Week IV Assignments

June 11th- June 17th

Objectives

At the end of this lesson, you will be able to:

• Describe the purpose of clinical information systems
• Describe the purpose of administrative systems
• Explain the use of smart technology
• Analyze the importance of user-friendly informatics systems
• Explain the strategy for initiating information technology projects
• Explain the selection process for new informatics systems
• Explain the implications of multiple system interfacing and interoperability
• Explain the implementation of an informatics system
• Describe staff education strategies for the successful implementation of informatics systems

Read: Handbook of Informatics for Nurses & Healthcare Professionals, 5
• Chapter 9, "Improving the Usability of Health Informatics Applications" (pp. 170–193)
• Chapter 7, "Strategic Planning for Information Technology Projects" (pp. 139–149)
• Chapter 8, "Selecting a Healthcare Information System" (pp. 153–169)
• Chapter 10, "System Implementation and Maintenance" (pp. 194–206, 208–209)
• Chapter 11, "Information Systems Training" (pp. 210–231)
• Chapter 13, "System Integration and Interoperability" (pp. 260–274)

View:

Online Module 4 Presentation: Information Systems and

Online Module 5 Presentation: Implementing Information Systems

Discuss:

Discussion 4.2: Clinical Information Systems in Action

Assessment:

Quiz 4.1: Information Systems and Implementing Information Systems on Modules 4 & 5
Week V Assignments
June 11th- June 17th

Objectives
At the end of this lesson, you will be able to:

- Describe the development of electronic health records
- Analyze the implications for electronic health records on nursing care quality
- Explain the implementation of electronic health records
- Describe the development of a patient's personal health record
- Explain how personal health records impact individual health
- Describe concerns in managing a personal health record
- Describe liability concerns pertaining to personal health records

Read:

Handbook of Informatics for Nurses & Healthcare Professionals, 5,
Chapter 14, "The Electronic Health Record" (pp. 277–291)

Handbook of Informatics for Nurses & Healthcare Professionals, 5
Chapter 16, "Personal Health Records" (pp. 325–347)

View:

Online Module 6: Electronic Health Records and
Online Module 7: Personal Health Records Presentations

Assignment:

5.1 Resource Paper Due
Week VI Assignments

June 18th-June 24th

Objectives

At the end of this lesson, you will be able to:

• Describe the evolution of Telehealth in nursing
• Explain the implications of Telehealth in nursing practice
• Explain Telehealth concerns related to patient care
• Explain confidentiality with respect to informatics
• Describe security measures used to protect patient information
• Describe privacy concerns pertaining to mobile access of informatics systems

Read:
Handbook of Informatics for Nurses & Healthcare Professionals, 5  
○ Chapter 25, "Telehealth" (pp. 505–523)  
○ Chapter 12, "Information Security and Confidentiality" (pp. 233–256)

View:

Online Module 8: Telehealth and

Online Module 9: Enhancing the Privacy and Security of Patient Information Presentations

Discuss:

Discussion 6.2: Telehealth and Nursing

Assessment:

6.1: Quiz - Electronic and Personal Health Records and Telehealth and Enhancing Privacy and Security
**Week VII Assignments**

**June 25- July 1st**

**Objectives**

At the end of this lesson, you will be able to:

- Explain health care policy related to informatics
- Describe regulatory agencies involved with informatics
- Explain accreditation to maintain and improve quality related to informatics
- Describe implications for informatics related to reimbursement
- Explain how informatics relate to evidence-based practice
- Describe how informatics are used in public health
- Identify sources of information that promote patient education

**Read:**

Handbook of Informatics for Nurses & Healthcare Professionals, 5

- Chapter 18, "Health Policy and Health Information Technology" (pp. 367–378)
- Chapter 19, "Legislation" (pp. 379–385)
- Chapter 20, "Regulatory and Reimbursement Issues" (pp. 387–405)
- Chapter 21, "Accreditation Issues for Information System Design and Use" (pp. 408–417)
- Chapter 22, "Continuity Planning and Management (Disaster Recovery)" (pp. 418–454)

**View:** Online Lessons: 10: *Information Technology Oversight*

Module 11: *Continuity Planning* and

Module 12: *Informatics and Patient Outcomes* Presentations

**Assignment:** Course Evals (check your UTEP email)

**Assessment:** Quiz 7.1: Module 12 *DUE WeDneSdAY*
**Deliverables:**
4 DQs plus 8 responses:
   - Discussion Board Postings: 30%
4 Quizzes: 40%
1 Resource Paper: 30%

*Changes may be made to this calendar as the class progresses*

- **Quizzes/Assessments:** will be open for sixty (60) minutes from the time the quiz is started, they can be opened at any time during assigned five days prior to submission due date. Due date is **Friday of** the week they are assigned at 2200.
- **QUIZZES WILL NOT BE RE-OPENED FOR ANY REASON** without prior approval after due date. Do not wait until the last minute to take the quizzes.

Assignments are due the Sunday at 2200 of the week assigned unless otherwise noted.

See Syllabus for Discussion requirements. First DQ post is due **WEDNESDAY** of each week, Peer Response due by Saturday at 2200.

Rubrics for ALL assignments are posted on BlackBoard…Use them 😊

Pearson Help: 1888-433-8435

**UTEP Help Desk:** 915-747-4357
Dr. Tolouian- 915-667-2696 textable 😊
### Assignment Guidelines

**Discussion Board Questions (DQ):**

There are predetermined Topics for discussion that correlate with the module(s).

Refer to the “Course Calendar” for dates and topics. The format for the all postings includes your initial response to the topic supported by your own thoughts/ideas and *supported by at least one Evidence Based Source (other than our assigned readings)*, including the 2 peer responses. When using outside sources they must be cited in the APA format.

Synthesis and application of assigned content is an essential element of each posting. *See rubric for word count details.*
Postings must be fully developed to encompass correct spelling, appropriate grammar and sentence structure, and clarity of the response. Cursory and/or vague responses ("I agree"). "That’s interesting.", etc.) will not receive credit. The depth of each response is key element in grading.

Original postings are to on the DB by the third day of the assigned week and 2 postings to peers must be completed by the 6th day of the assigned week (Refer to the Class Calendar).

**Graded Assessments:**

**Quizzes**-----There will be four (4) short quizzes. Once the quiz closes you will no longer have access to it. *It is crucial that you make sure Your computer system is functional and that you are familiar with how to respond to quiz items and how to save them. Only in extreme circumstances will a quiz be reopened.*
The quiz is time limited and may only be attempted twice. The quiz items are of the multiple choice format and related to the assigned module. Each quiz is automatically scored and the grade is released to you in the “My Grade” link.

An item analysis is conducted following each quiz once all students have completed the quiz and, if indicated, adjustments will be made in the quiz score. The higher of the two grades will prevail.

**Graded Assignments:**

**Resource Paper**

This course functions as a brief introduction to many topics in Nursing Informatics. The final paper, 2 to 4 pages double spaced in length, gives the student a chance to explore 1 topic in more detail. Each of these topics demonstrates information technology for clinical practice already in use, or has the potential to support practice. The topics the student may choose from are listed below:
Nanotechnology
Personal Health Records
Human Patient Simulators (HPS)
Online Support Groups

Each topic has a “Resources” document with more information about the topic to assist the student. For complete directions, the Resource documents for all topics and grading rubric see BlackBoard.

The paper should be between 2 to 4 pages long, double-spaced, supported by at least 1 journal article as reference from current literature and 1 credible website OR 2 journal articles, all must be properly cited and referenced using APA format (Title and Reference pages)

Please DO NOT "cut and paste" your paper into the box--it ruins the format and makes it very difficult to read.

Practice Assignment
No points. Here is an opportunity for you to learn more about the Safe Assign tool used in this course. Please submit, via a Microsoft Office Word document, a brief one paragraph paper describing why you believe nursing informatics is an important to the nursing profession. In addition, please place a paragraph or two from an Internet news source in the document, so you can see that the tool can correctly identify material that has been copied and pasted versus appropriately cited sources. I believe that this exercise will be valuable to you, because, you will be able to gauge the effectiveness of this instrument within the course and not be penalized.
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****ALL ASSIGNMENTS, DISCUSSION BOARD (DB) POSTINGS ARE DUE BY 1159 PM ON THE DAY INDICATED******