Week I Assignments October 23rd- October 29th

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: Self Introductions
- 1.3: Informatics and Patient Safety (GROUP)
Week II Assignments: October 30th- November 5th

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 2.2: My Experience with Informatics: Win That Grant

Assessment:

Quiz: 2.1 - Healthcare Informatics and their impact on nursing
(10 multiple choice questions on weekly content)
**Week III Assignments**  
**November 6th - November 12th**

**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*

**Assignment:**

3.2 WebSite Evaluation PowerPoint due

You may submit through SafeAssign (link in the Assignments tab) to check your work prior to submitting through Assignments for grading. *Early Papers Welcomed!*

**Assessment:**

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

**November 13th - November 19th**

**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 in Group:**

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**

**November 20th- November 26th**

**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

**Discuss in Group:**

Discussion 5.1: EHR and the Quality of Nursing

**Assignment:**

5.2 Resource Paper Due
**Week VI Assignments**

November 27th- December 3rd

**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 in Group:**

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

December 4th- December 8th

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: 7.2 Professional Portfolio (Needs to be complete for course completion)

7.3 Course Evals (check your UTEP email)

Assessment: Quiz 7.1: Module 12 DUE WEDNESDAY
Deliverables:

1 Individual Discussion Boards (Intro)
5 Group Discussion Boards: 20 points
5 Quizzes: 30 points
1 Website evaluation: 25 points
1 Resource Paper: 25 points

*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 😊
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**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 three (6) 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:

Website Evaluation PP: (See BlackBoard Link for FULL details)

Health literacy is a growing concern in health care. The lesson “Health Literacy” addresses this topic. We, as nurses, assume major responsibility for patient education which is often incorporated within our daily interactions with patients and their families. Formal patient education is documented within the patient record; often as part of “discharge instructions.” As the general population becomes more involved with gaining access to health information on the Internet,
we need to become equally proficient in evaluating Internet sites that provide health information.

This 8-12 slide PP assignment has 2 parts: A credibility assessment of a freely-accessible website with professional information and a website to use with a patient. Search the Internet for websites to use professionally and with a patient population. Choose one of each type (professional and patient referral) to evaluate.

1. Professional website: Using the credibility criteria enumerated in this lesson evaluate the professional website of your choice. Use the 6 defined standard criteria that appear in Chapter 4. Describe how the website meets (or does not meet) each criterion. Draw a conclusion about the credibility of this website.

2. Patient Referral website: Using the readability criteria and appropriateness enumerated in this lesson, evaluate the patient referral website of your choice. Use at least 6 criteria that appear below and describe how the website meets (or does not meet) each criterion. Draw a conclusion about the readability of this website.

IMPORTANT: Select View Rubric when you open the assignment to see exactly what I expect to find in this assignment and how it will be graded.
Submit your assignment as an attachment below. Do not copy and paste it into the box. The format will be wrong.

The health care professional increases the opportunity for the health care information to be understood if an evaluation of the readability of material or a website is done prior to use. The following measures increase the opportunity for the low literacy individual to understand and retain the vital health information.

1. Define the purpose and benefits of the document from the patient’s point of view.

2. Write or look for material with short sentences. The sentences should also use simple sentence structure and avoid compound or complex formats.

3. Decrease the use of polysyllabic words, or look for material which does not contain such words.

4. Do not use or avoid material with child-like wording or pictures. Low literacy adults are insulted by material written for children. Captions should clarify the point of the picture or visual.

5. Use or look for material that uses numbered and/or boldface key points.

6. Use consistent wording. The use of more than one word to describe a point is confusing to the low literacy reader.

7. Use the active voice for verbs.

8. Make use of more white areas on a page than printed words. The low literacy reader will be overwhelmed with a page covered by words. (Cornett, 2009)
Any 6 of these standards of readability are the standards to use when completing the readability portion the Website Evaluation Assignment

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 newsource 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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