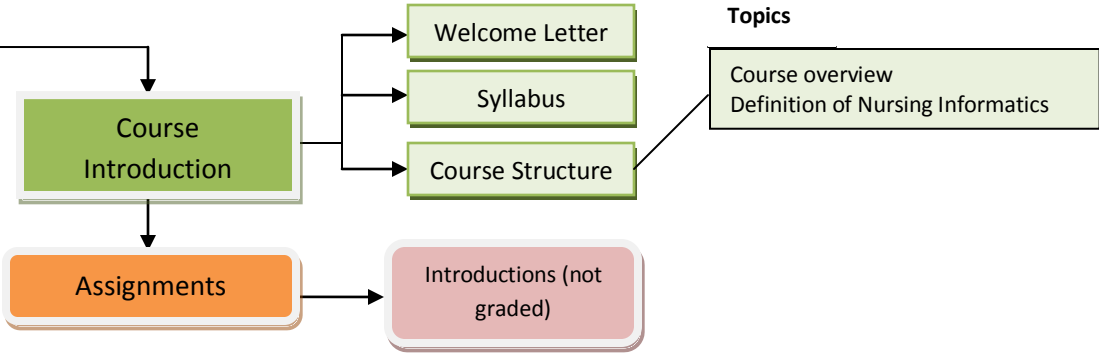


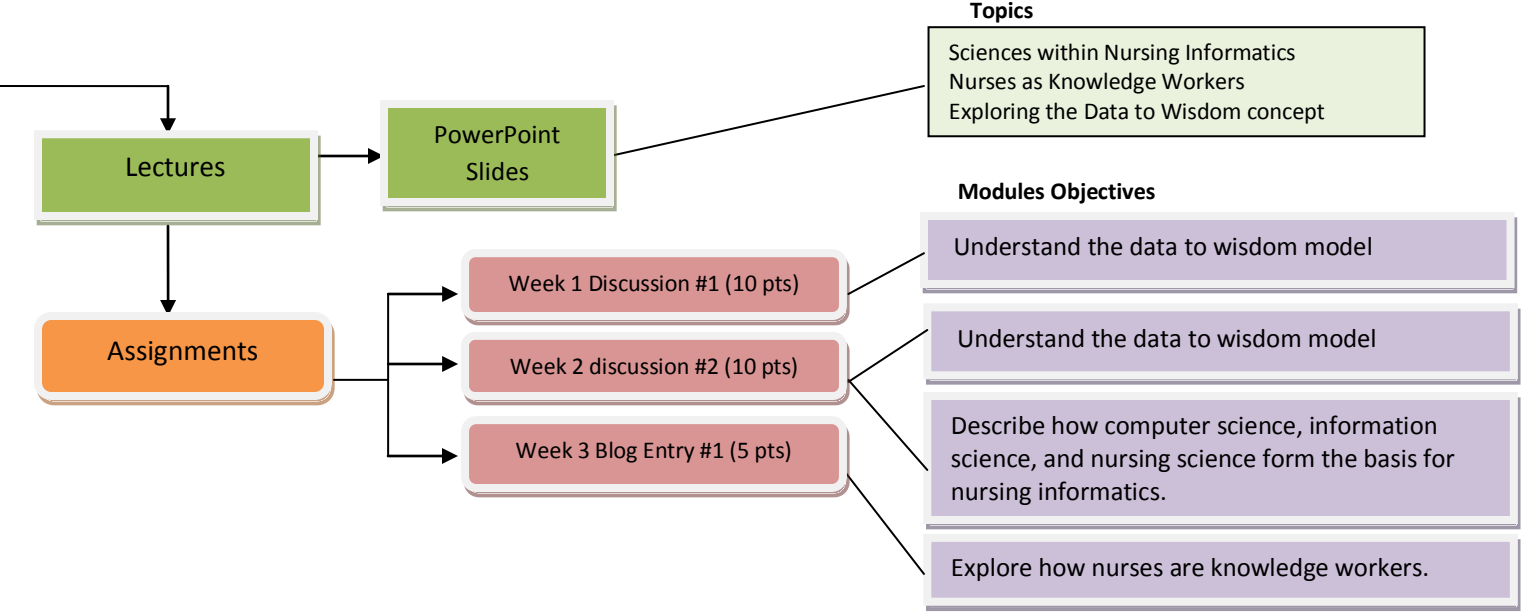
Start Here

Introduction to Course Objectives and Expectations



Module 1

Background and Foundation of Nursing Informatics (Weeks 2-3)



Module 2

Informatics Competencies (Weeks 4-6)

Lectures

PowerPoint Slides

Assignments

Week 4 discussion #3 (10 pts)

Week 4 Quizzes (4 at 5 pts each)

Week 5 blog #2 (5 pts)

Week 6 discussion #4 (10 pts)

- Topics**
- Basic technology skill competencies
 - Word
 - Excel
 - PowerPoint
 - Basic knowledge competencies
 - Databases
 - Information generation
 - Role competencies
 - QSEN

- Modules Objectives**
- Demonstrate an understanding of basic computer competencies.
 - Identify own learning needs relating to informatics competencies.
 - Relate the Quality and Safety in Nursing Education informatics knowledge, skills, and attitudes to the role of the Informatics Nurse.

Module 3

Applications and Roles (Weeks 7-11)

Lectures

PowerPoint Slides

Assignments

Week 7 discussion #5 (10 pts)

Week 7 Library Tools Quiz (5 pts)

Week 8 discussion #6 (10 pts)

Week 9 Roles Paper (30 pts)

Week 10 Blog #3 (5 pts)

Week 10 Website Eval (25 pts)

Week 11 discussion #7 (10 pts)

- Topics**
- Informatics and:
 - Research/evidence-based practice
 - Clinical information management
 - Telehealth
 - Consumer information
 - Project management (change management)

- Modules Objectives**
- Examine the role of the practicing Informatics Nurse against practice standards.
 - Describe how a standardized nursing language affects professional nursing practice.
 - Critique a health-related website against quality standards.
 - Explain how technology can support quality initiatives, management, and outcomes.

Module 4

Current Issues in Informatics (Weeks 12-16)

Lectures

PowerPoint Slides

Topics

- Health Information Privacy
- Clinical Decision Support Systems
- Knowledge generation in large data sets
- QSEN Reflections

Assignments

- Week 12 discussion #8 (10 pts)
- Week 12 Privacy Course (20 pts)
- Week 13 Innovations (35 pts)
- Week 13 Blog #4 (5 pts)
- Week 15 discussion #9 (10 pts)
- Week 16 discussion #10 (10 pts)

Modules Objectives

- Explain how HIPAA affects the handling of health information.
- Examine current issues related to Nursing Informatics.
- Examine the utility of clinical decision support systems in the clinical setting.
- Describe the clinical utility of data mining in large data sets.

Informatics

Definition: Use information and technology to communicate, manage knowledge, mitigate error, and support decision making.

Competency	Strategy
Knowledge	
Explain why information and technology skills are essential for safe patient care	Innovations Paper Blog #1
Identify essential information that must be available in a common database to support patient care	Discussion #3 Discussion #9
Contrast benefits and limitations of different communication technologies and their impact on safety and quality	Discussion #1 (dissemination) Discussion #4 (competencies) Discussion #10 (competencies)
Describe examples of how technology and information management are related to the quality and safety of patient care	Innovations Paper
Recognize the time, effort, and skill required for computers, databases and other technologies to become reliable and effective tools for patient care	Discussion #3 Roles Paper Word, Excel, PP Tutorials Discussion #6
Skills	
Seek education about how information is managed in care settings before providing care	Discussion #1 and #2
Apply technology and information management tools to support safe processes of care	Innovations Paper Discussion #9
Navigate the electronic health record	<i>Clinical Courses</i>
Document and plan patient care in an electronic health record	<i>Clinical Courses</i> Discussion #1
Employ communication technologies to coordinate care for patients	Discussion #1 Discussion #4 Discussion #10
Respond appropriately to clinical decision-making supports and alerts	Blog #4
Use information management tools to monitor outcomes of care processes	Roles Paper Innovation Paper Discussion #6
Use high quality electronic sources of healthcare information	Website Evaluation Library Databases Tutorial Discussion #5 Blog #3
Attitude	
Appreciate the necessity for all health professionals to seek lifelong, continuous learning of information technology skills	Blog #2 Word, PP, Excel Tutorials
Value technologies that support clinical decision-making, error prevention, and care coordination	Innovations Paper Blog #4
Protect confidentiality of protected health information in electronic health records	Discussion #8 Health Privacy Awareness Course
Value nurses' involvement in design, selection, implementation, and evaluation of information technologies to support patient care	Roles Paper Discussion #7

