



## Quality Improvement through Information Technology

NURS328

Southwestern College Professional Studies

### COURSE SYLLABUS

#### I. Course Catalog Description

Used appropriately, technology can improve quality, reduce cost, eliminate waste, augment access, increase efficiency and productivity, and improve patient safety and health outcomes. Learners will develop leadership and management competencies related to health informatics and the use of information for quality assessment, evaluating performance, decision-making, and other related purposes. Learners will explore effective and ethical information management practices that help to ensure patient confidentiality, information security and integrity, and information accessibility.  
*Prerequisite NURS309.*

#### II. Required and Supplementary Instructional Materials

Hebda, T., & Czar, P. (2013). *Handbook of informatics for nurses & healthcare professionals* (5th ed.). Upper Saddle River, NJ: Pearson Education.

Hughes, R. G. (Ed.). (2008). Patient safety and quality: An evidence-based handbook for nurses. Retrieved from <http://www.ncbi.nlm.nih.gov/books/NBK2651/>

American Psychological Association. (2010). Publication manual of the American Psychological Association. (6th ed.). Washington, DC: Author.

#### III. Learning Outcomes

Learning outcomes describe the knowledge, skills, values, and attitudes that learners gain as the result of a particular learning experience. Southwestern College Professional Studies has [learning outcomes specific to the Nursing Program](#), as well as [institution-wide outcomes](#) related to the mission and vision of the college. Outcomes can help learners and instructors focus on the big picture of the learning experience and can help inform potential employers about a graduate's knowledge and skills.

Upon successfully completing this course, the learner will be able to:

Learning Outcome	Related <a href="#">Program Outcome(s)</a>
Integrate nursing science, computer science, and information science to manage and communicate data, information, knowledge, and wisdom in nursing practice.	1, 3, 5, 6, 8
Examine theories and frameworks for inter-professional healthcare informatics.	1, 3, 5, 6, 7, 9
Describe the role of standards in electronic health records.	5, 6, 8
Relate informatics to evidence-based practice, decision support, and quality improvement.	4, 5, 6, 8, 9
Analyze benefits and issues related to electronic health records.	5, 6, 8,
Discuss the process and requirements involved in the gathering, compliance, integrity and reporting of healthcare quality measures	4, 5, 6, 7, 8, 9
Define quality and safety measures necessary for high functioning organizations and optimal patient outcomes	4, 5, 6

At the end of the course, learners may vary in their ability to achieve these outcomes. You are more likely to achieve these outcomes only if you attend class and/or online activities as required by the syllabus, complete the requirements for all assignments to the best of your ability, participate actively in class activities and group work as directed, and study diligently for exams.

#### IV. Course Policies

Students are expected to read and abide by the course policies located in the instructor-specific syllabus in the blackboard course.

#### V. Course Requirements:

Requirements	Number of Assignments	Points Possible	Percent of Grade
Discussion Assignments	6	240	24%
Unit Assignments	5	250	25%
Quizzes	6	240	24%
Quality Improvement Issue Discussion	1	20	2%
Quality Improvement Plan	1	250	25%
<b>Total Points</b>		<b>1000</b>	<b>100%</b>

#### VI. Course at a Glance:

Unit	Reading & Preparation Activities	Graded Work Due	Related Learning Outcomes
1	<ul style="list-style-type: none"> <li>• Hebda &amp; Czar: Chapters 1-5</li> <li>• Unit 1 QSEN PowerPoint</li> <li>• Unit 1 Roles, Competencies, Skills document</li> <li>• Review the AHRQ document</li> </ul>	<ul style="list-style-type: none"> <li>• Unit 1 Discussion</li> <li>• Unit 1 Assignment</li> <li>• Unit 1 Quiz</li> </ul>	1, 2, 3
2	<ul style="list-style-type: none"> <li>• Hebda &amp; Czar: Chapters 6-10</li> <li>• Hughes: Chapters 1, 2, 3, 4 &amp; 6</li> <li>• QSEN PowerPoint on Quality Improvement Content</li> <li>• QSEN PowerPoint on Safety Content</li> <li>• IHI Defining Quality video</li> </ul>	<ul style="list-style-type: none"> <li>• Unit 2 Discussion</li> <li>• Unit 2 Assignment</li> <li>• Unit 2 Quiz</li> </ul>	1, 2, 3, 7
3	<ul style="list-style-type: none"> <li>• Hebda &amp; Czar: Chapters 11-15</li> <li>• Hughes: Chapters 44, 47 &amp; 49</li> <li>• QSEN PowerPoint on Health Informatics</li> <li>• PDSA Samples</li> </ul>	<ul style="list-style-type: none"> <li>• Unit 3 Discussion</li> <li>• Unit 3 Assignment</li> <li>• Unit 3 Quiz</li> <li>• Quality Improvement Issue Discussion</li> </ul>	1, 3, 5, 6
4	<ul style="list-style-type: none"> <li>• Hebda &amp; Czar: Chapters 16-20</li> <li>• Hughes: Chapter 45</li> <li>• Lewis Blackman Story</li> </ul>	<ul style="list-style-type: none"> <li>• Unit 4 Discussion</li> <li>• Unit 4 Assignment</li> <li>• Unit 4 Quiz</li> </ul>	1, 3, 4, 5, 6, 7
5	<ul style="list-style-type: none"> <li>• Hebda &amp; Czar: Chapters 21-25</li> <li>• Hughes: Chapters 14, 16, 48 &amp; 50</li> <li>• Wireless Future of Medicine video</li> </ul>	<ul style="list-style-type: none"> <li>• Unit 5 Discussion</li> <li>• Unit 5 Assignment</li> <li>• Unit 5 Quiz</li> </ul>	1, 2, 3, 4, 7
6	<ul style="list-style-type: none"> <li>• Hebda &amp; Czar: Chapters 26-27</li> <li>• Hughes: Chapters 7, 8, 9 &amp; 46</li> </ul>	<ul style="list-style-type: none"> <li>• Unit 6 Discussion</li> <li>• Quality Improvement Plan</li> <li>• Unit 6 Quiz</li> </ul>	1, 4, 6, 7

#### VII. Other Policies and Requirements

Follow this link to the Southwestern College Professional Studies [Standard Syllabus](#) in Blackboard. You may be required to log in.