Academic Unit: School of Nursing

Course Prefix: NUR 676

Course Title: Healthcare Systems: Technology, Quality and Economics

Term Offered: Fall and Spring

Credit Hours/Clock Hours: 3 credit hours/45 Clock Hours

Course Prerequisites: NUR 510

Mode of Instruction: Online

Instructor Name:

Instructor Contact Information:

Instructor Availability:

Catalog Description:
Knowledge and skills gained through course participation will promote understanding and application of information technologies. Using information technology as a foundation, the healthcare domains of practice, evaluation, quality, economics, education, administration and research will be explored. Ethical legal, security, and regulatory issues will also be addressed.

Course Propose Statement:
NUR-676: Healthcare Systems: Technology, Quality and Economics is a required graduate course. Healthcare systems are complex facilities that continue to develop and change in the provision of care within geographic areas. Timely and intensive information is a key to safe and collaborative nursing and healthcare practice. The advances in information technology and the push for quality care and transparency have significantly changed. These changes also include security, regulatory, ethical and legal, which is presented. The electronic health record and additional information technology tools have changed the skills and competency levels of nurses within health systems. This course is designed to facilitate learning experiences of quality in healthcare and advancing nursing informatics skills. An underpinning of healthcare economics is also included to build towards future coursework and practice.
**Student Learning Outcomes:**

**Clinical Practice and Prevention**
Utilizing business and economic principles and practice, including budget, cost/benefit analysis and marketing, develop a business plan.

**Critical Reasoning**
Analyze the interface of information technology with practice, education, research and administration

**Global Health**
Examine the role of current and emerging technologies in local and global healthcare delivery

**Leadership**
Using theoretical knowledge and evidence, analyze the barriers and benefits of adoption of information technologies in health care delivery for individuals, organizations, private and public systems

Using change theory, develop a quality improvement process for a healthcare issue

**Professionalism and Professional Values**
Articulate ethical, legal, security, regulatory and inter-professional issues related to information technology

**Course Structure and Approach**
This is an online course. Students will access the world-wide-web and other reliable and valid sources of information to engage in discussions on the assigned topics.

**Textbooks**

**Course Content Outline**
Introduction and Getting Started: Overview of the course

Module 1: Nursing Informatics and Competencies for the APN

Module 2: The Business of Healthcare and Finance

Module 3: Ethical, Legal, and Security in Healthcare Informatics

Module 4: Quality and Outcomes - Transforming Healthcare through Data &
Analytics

Module 5: Healthcare Informatics and the Healthcare Consumer

Assessment of Student Learning/Grading

Assessment of student learning outcomes will be derived from multiple sources of your work.

<table>
<thead>
<tr>
<th>Assignments</th>
<th>Percentage of Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Discussion Board</td>
<td>32%</td>
</tr>
<tr>
<td>2. Professional Development</td>
<td>10%</td>
</tr>
<tr>
<td>3. Health Economics Self-Study:</td>
<td></td>
</tr>
<tr>
<td>Certificate of Success for each of 4 modules</td>
<td>8%</td>
</tr>
<tr>
<td>4. Wiki</td>
<td>20%</td>
</tr>
<tr>
<td>5. Group Presentation w/ Peer Evaluation</td>
<td>30%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>100%</strong></td>
</tr>
</tbody>
</table>

**Due dates:** Refer to course schedule

Grades are calculated using the standard NAU School of Nursing grade scale as follows.

<table>
<thead>
<tr>
<th>Letter Grade</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>93-100</td>
</tr>
<tr>
<td>B</td>
<td>84-92</td>
</tr>
<tr>
<td>C</td>
<td>78-83</td>
</tr>
<tr>
<td>F</td>
<td>&lt; 78 (failure)</td>
</tr>
</tbody>
</table>

**Notes:** Final grade rounding of points must be 0.5 or higher. Students earning a final grade of less than 78% for the course will be required to repeat the course in order to progress.

**Course Policies**

*Assignment Due Dates:* Assigned work is due on the dates and times specified in the course assignment schedule or syllabus. Alternate due dates may be arranged in extenuating circumstances, but this must be approved prior to the due date (except in emergency situations). Late point deductions of 5 points per day will be applied to all assignments. Written health provider excuses may be requested when due dates require adjustments for medical reasons.

*Online Discussions:* Must be completed within the assigned timeframe to receive credit.

*Netiquette:* “Think before you post.” Our online course will follow the guidelines found at [http://www2.nau.edu/d-elearn/support/tutorials/discrubrics/netiquette.php](http://www2.nau.edu/d-elearn/support/tutorials/discrubrics/netiquette.php)

You are responsible for reading and following these guidelines.
NAU Policy Statements

Safe Environment Policy
NAU’s Safe Working and Learning Environment Policy prohibits sexual harassment and assault, and discrimination and harassment on the basis of sex, race, color, age, national origin, religion, sexual orientation, gender identity, disability, or veteran status by anyone at this university. Retaliation of any kind as a result of making a complaint under the policy or participating in an investigation is also prohibited. The Director of the Office of Affirmative Action & Equal Opportunity (AA/EO) serves as the university’s compliance officer for affirmative action, civil rights, and Title IX, and is the ADA/504 Coordinator. AA/EO also assists with religious accommodations. You may obtain a copy of this policy from the college dean’s office or from the NAU’s Affirmative Action website nau.edu/diversity/. If you have questions or concerns about this policy, it is important that you contact the departmental chair, dean’s office, the Office of Student Life (928-523-5181), or NAU’s Office of Affirmative Action (928) 523-3312 (voice), (928) 523-9977 (fax), (928) 523-1006 (TTD) or aaeo@nau.edu.
**Students with Disabilities**
If you have a documented disability, you can arrange for accommodations by contacting Disability Resources (DR) at 523-8773 (voice) or 523-6906 (TTY), dr@nau.edu (e-mail) or 928-523-8747 (fax). Students needing academic accommodations are required to register with DR and provide required disability related documentation. Although you may request an accommodation at any time, in order for DR to best meet your individual needs, you are urged to register and submit necessary documentation (www.nau.edu/dr) 8 weeks prior to the time you wish to receive accommodations. DR is strongly committed to the needs of student with disabilities and the promotion of Universal Design. Concerns or questions related to the accessibility of programs and facilities at NAU may be brought to the attention of DR or the Office of Affirmative Action and Equal Opportunity (523-3312).

**Academic Contact Hour Policy**
Based on the Arizona Board of Regents Academic Contact Hour Policy (ABOR Handbook, 2 -224), for every unit of credit, a student should expect, on average, to do a minimum of three hours of work per week, including but not limited to class time, preparation, homework, studying.

**Academic Integrity**
Integrity is expected of every member of the NAU community in all academic undertakings. Integrity entails a firm adherence to a set of values, and the values most essential to an academic community are grounded in honesty with respect to all intellectual efforts of oneself and others. Academic integrity is expected not only in formal coursework situations, but in all University relationships and interactions connected to the educational process, including the use of University resources. An NAU student’s submission of work is an implicit declaration that the work is the student's own. All outside assistance should be acknowledged, and the student’s academic contribution truthfully reported at all times. In addition, NAU students have a right to expect academic integrity from each of their peers. Individual students and faculty members are responsible for identifying potential violations of the university’s academic integrity policy. Instances of potential violations are adjudicated using the process found in the university Academic Integrity Policy at https://policy.nau.edu/policy/policy.aspx?num=100601.

**Sensitive Course Materials**
University education aims to expand student understanding and awareness. Thus, it necessarily involves engagement with a wide range of information, ideas, and creative representations. In the course of college studies, students can expect to encounter — and critically appraise—materials that may differ from and perhaps challenge familiar understandings, ideas, and beliefs. Students are encouraged to discuss these matters with faculty.

**Classroom Disruption Policy**
Membership in the academic community places a special obligation on all participants to preserve an atmosphere conducive to a safe and positive learning environment. Part
of that obligation implies the responsibility of each member of the NAU community to maintain an environment in which the behavior of any individual is not disruptive. Instructors have the authority and the responsibility to manage their classes in accordance with University regulations. Instructors have the right and obligation to confront disruptive behavior thereby promoting and enforcing standards of behavior necessary for maintaining an atmosphere conducive to teaching and learning. Instructors are responsible for establishing, communicating, and enforcing reasonable expectations and rules of classroom behavior. These expectations are to be communicated to students in the syllabus and in online class discussions and activities at the outset of the course. Each student is responsible for behaving in a manner that supports a positive learning environment and that does not interrupt nor disrupt the delivery of education by instructors or receipt of education by students, within or outside a class. The complete classroom disruption policy is in Appendices of NAU’s Student Handbook.