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## **COURSE OBJECTIVES**

This course will provide students with the knowledge and skills to:

1. Design and evaluate health information technology programs that evaluate and monitor outcomes of care, care systems, and quality improvement initiatives including consumer use of healthcare information.
2. Construct a technology evaluation plan involving data extraction from health information system systems.
3. Integrate information technology within health care organizations to improve health care delivery.
4. Provide leadership in the evaluation and resolution of ethical and legal issues within

- optimize patient safety, cost-effectiveness, and health outcomes.
6. Evidence critical thinking skills in class discussion, written work, online assignments, and oral/visual/voice-enhanced/multimedia presentations.

## METHODOLOGY

### A. Teaching and Learning Strategies

Assigned Readings, Web-Enhanced Activities, Discussions, Journals, Zoom, PowerPoint, Kaltura

### B. Evaluation Methods

#### Graduate Grading Scale

| Grade    | Numeric Equivalent |
|----------|--------------------|
| A        | 95%-100%           |
| A-       | 92-94%             |
| B+       | 89-91%             |
| <b>B</b> | <b>86-88%</b>      |
| B-       | 83%-85%            |
| C+       | 80%-82%            |
| C        | 77%-79%            |
| C-       | 74%-76%            |
| F        | Less Than 74%      |

**Rubrics and/or grading criteria are provided for Assignments. Please review the rubrics and/or grading criteria before completing assignments.**

#### Discussions/Journals (All Objectives) **35%**

Weekly, students will participate in a discussion board or submit a journal surrounding a selected topic aligned with the readings and assignments. Refer to the rubric prior to posting. APA formatting and citations are required for written assignments.

#### Informatics for Quality Improvement Project (All Objectives) \*SEA **35%**

Students will identify one, or more potential informatics-based solutions to an identified problem in their current organization or other healthcare setting. Utilizing QI methodology, students will present potential solutions in both a paper utilizing APA format.

#### Reflection Paper (All Objectives) **15%**

Students will reflect on overall technology usage in their current organization, specifically as it relates to their practice setting. From this reflection, students will prepare a 3 to 5-page APA formatted paper addressing questions posted in Canvas.

#### Requirements Elicitation Paper (Objectives 1, 3, 6, 7) **15%**

Students will imagine that they are an Advanced Practice Nurse or Nurse Leader hired to help develop an electronic clinical decision support tool for DNP-prepared nurses to utilize in their daily work. Then, students will prepare a 3 to 5-page APA formatted paper describing how they would determine what the tool should do for end-users.

Students are required to develop and complete an electronic portfolio to demonstrate achievement of the DNP program outcomes. A component of the electronic portfolio is coursework exemplars.

Therefore, please upload an example of your exemplary work (for each course projects, presentations, etc.) into the electronic portfolio at the beginning of the semester. It is your responsibility to maintain coursework exemplars. Faculty

#### **A Note on the Use of Synchronous Sessions**

This doctoral course offers students the opportunity to engage with fellow students and faculty via two to three online synchronous sessions.

Students have the option of attending the live session when scheduled or viewing the session recording made available through an online platform.

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|---|--|------------|
|   | Social Media   |            |
|   | Bioinformatics   |            |
| 5 | Patient Safety, Clinical Outcomes  | Journal    |
| 6 | Future of Nursing Informatics<br>Patient Centered Care Using Informatics | Discussion |

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