American Public University System

The Ultimate Advantage is an Educated Mind

School of Health Sciences
Nursing Program
NURS500
RESEARCH AND EVIDENCE-BASED PRACTICE
3 Credit Hours
Length of Course: 8 weeks
Prerequisite: NURS503

Instructor Information

Name: Email:
Please refer to the Syllabus tab for your instructor’s contact information and biography.

Course Description (Catalog)

Advanced practice nurses must integrate evidence-based principles into their daily practice, and promote research-based decision-making in themselves and others. This course focuses on the critical analysis of research and its application to current nursing practice. Ethical issues in the design and conduct of research are addressed.

Course Scope

This course is divided into 8 weeks and is designed to build on the student’s research knowledge and to examine advanced research concepts to assist in development of an evidence-based practice. Learners critically review current research and develop an evidence-based practice project proposal that includes an intervention appropriate to nursing practice.

Course Learning Objectives

After successfully completing this course, students will be able to:

NURS500 Syllabus
Version History
Developed November, 2014, Revised 3/15, 7/18_Malate
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LO1: Use the PICOT method for research findings.
LO2: Synthesize multidisciplinary practice evidence.
LO3: Examine ethical issues related to the conduct of research.
LO4: Assess outcomes of evidence-based interventions.
LO5: Compare and contrast quantitative, qualitative and mixed research methods.

Course Delivery Method

This course delivered via distance learning will enable students to complete academic work in a flexible manner, completely online. Course materials and access to an online learning management system will be made available to each student. Online assignments are due weekly as noted on the course outline and can include Forum questions and written assignments. Assigned faculty will support the students throughout this eight-week course.

Course Materials

Required Course Textbook:


The School of Health Sciences requires use of APA style and format and each student is required to have a current copy of the APA Publication Manual. All written assignments are to be submitted in APA format style unless otherwise noted in the assignment directions.

Academic Writing Requirements:
The School of Health Sciences requires use of APA format and style and all are encouraged to have a current copy of the APA Publication Manual. All written assignments are to be submitted in APA format style unless otherwise noted in the assignment directions.

Web Sites
In addition to the required course texts, the following public domain web sites are useful. Please abide by the university’s academic honesty policy when using Internet sources as well. Note web site addresses are subject to change.

- Academic Center for Evidence-based Nursing (ACE): http://www.acestar.uthscsa.edu/
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- Cochrane Collaboration: http://www.cochrane.org/
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**Evaluation Procedures**

**Forum**

Students are required to participate in the forums each week. Replies must be posted in the week due and replies after the end of the each week will not be graded. The Forums are for student interaction and input should be submitted before the week ends in order to fully participate in the discussions. Students should demonstrate their own knowledge in the forums and avoid copying and pasting from websites.

*Guidelines:*

- Post the initial response to each forum by 11:55pm, ET, Thursday.
- Initial responses should be no less than 300 words.
- Initial responses are to be original in content and demonstrate a thorough analysis of the topic.
- Reply to at least 2 of your classmates in each forum by 11:55pm, ET, Sunday.
- Replies to classmates should be no less than 200 words.
- Responses to classmates are significant to advance the forum.
- All forums can be accessed in the Forums section of the course.

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**Course Grading Outline**

<table>
<thead>
<tr>
<th>Grading Instrument</th>
<th>Percentage of Final Grade</th>
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<tbody>
<tr>
<td>Discussion Forums/Small group discussion</td>
<td>25%</td>
</tr>
<tr>
<td>NIH IRB Certification</td>
<td>5%</td>
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<tr>
<td>Qualitative Critique Presentation</td>
<td>15%</td>
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<tr>
<td>Quantitative Critique Presentation</td>
<td>15%</td>
</tr>
<tr>
<td>PICOT Assignment</td>
<td>10%</td>
</tr>
<tr>
<td>Literature Matrix</td>
<td>10%</td>
</tr>
<tr>
<td>EBP Presentation</td>
<td>20%</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>100%</strong></td>
</tr>
</tbody>
</table>

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**Course Outline**

<table>
<thead>
<tr>
<th>Lesson</th>
<th>Topic</th>
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<th>Reading(s)</th>
<th>Assignment(s)</th>
<th>Forum(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>The Research-</td>
<td>LO2: Synthesize</td>
<td>Chapters 1,</td>
<td></td>
<td>Week 1 Forums:</td>
</tr>
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<tr>
<td>2</td>
<td>Reading the Research and Ethics in Research</td>
<td>LO2: Synthesize multidisciplinary practice evidence.</td>
<td>Chapters 5, 7, 8 NIH Tutorial</td>
<td>NIH Web-based training course “Protecting Human Research Participants”.</td>
<td>Week 2 Forum: Reading the Research and Ethics in Research</td>
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<td></td>
<td></td>
<td>LO3: Examine ethical issues related to the conduct of research.</td>
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<td>3</td>
<td>Qualitative and Outcomes Research</td>
<td>LO5: Compare and contrast quantitative, qualitative and mixed research methods.</td>
<td>Chapters 12, 13 Qualitative Critique</td>
<td>Week 3 Forum: Qualitative and Outcomes Research</td>
<td></td>
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<tr>
<td>4</td>
<td>Quantitative research</td>
<td>LO5: Compare and contrast quantitative, qualitative and mixed research methods.</td>
<td>Chapters 10, 11, 14, 15, 16, 17</td>
<td>Quantitative Critique</td>
<td>Week 4 Forum: Quantitative Research</td>
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<tr>
<td>5</td>
<td>Asking Clinical Questions-PICOT</td>
<td>LO1: Use the PICOT method for research findings.</td>
<td>Chapter 19 PICOT Assignment</td>
<td>Week 5 Forum: Asking Clinical Questions Using PICOT</td>
<td></td>
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<tr>
<td>6</td>
<td>Searching and Appraising the Evidence</td>
<td>LO2: Synthesize multidisciplinary practice evidence.</td>
<td>Chapters 6, 18, 19 Literature Matrix</td>
<td>Week 6 Forum: Searching and Appraising the Evidence</td>
<td></td>
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<tr>
<td>7</td>
<td>Evidence-Based Practice and</td>
<td>LO2: Synthesize multidisciplinary practice evidence.</td>
<td>Chapters 19, 20, 26 EBP</td>
<td>EBP Presentation</td>
<td>Week 7 Forum: Evidenced-Based</td>
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<tr>
<td>8</td>
<td>Reflection</td>
<td>LO2: Synthesize multidisciplinary practice evidence.</td>
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<td></td>
<td>Week 8 Forum: Reflection of Learning and Completion of Course Objectives</td>
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<td></td>
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<td>LO4: Assess outcomes of evidence-based interventions.</td>
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Policies

Please see the Student Handbook to reference all University policies. Quick links to frequently asked question about policies are listed below.

- Drop/Withdrawal Policy
- Plagiarism Policy
- Extension Process and Policy
- Disability Accommodations