

## **Nursing 502:**

### **Research Methods in Nursing**

#### **Course Description:**

This course is an introduction to research methodology in nursing. The course focuses on the major types of qualitative and quantitative research designs in nursing, and the development of a quality research proposal. The purpose of the course is to emphasize on the utilization of research to make practice decisions based on evidence, and on the incorporation of research findings into professional nursing practice. The course introduces students to the applications of technologies in the research process.

Course Credit Hours:

3 semester credit hours

Course Placement:

First course in MSN program

#### **Course Learning Outcomes:**

1. Appraise the ethical issues related to the conduct of research, including protection of participants and informed consent.
2. Analyze use of research evidence within nursing practice and nursing education (evidence-based practice).
3. Examine the different designs of research, including qualitative, quantitative, and mixed methods.
4. Evaluate the concepts of validity and reliability in quantitative research, and trustworthiness of research findings using qualitative methods.
5. Appraise each section of a research study implementation plan: sampling, recruitment, data collection, instrument selection, literature review, interventions, and data analysis.
6. Construct and present a study proposal on a relevant topic chosen from within either a nursing practice or nursing education domain.

7. Present your research study proposal through the format of a research poster to be critiqued by classmates.

Instructional Methods:

Reading: textbooks and articles

Literature reviews

Article Critiques

Assignments

Final Poster Presentation of Study Proposal

Evaluation Methods:

Discussion Questions (14)

140 pts = 30% of total grade

NIH Certificate

10 points

Assignments (7)

490 pts = 70% of the total grade

Required Texts:

Tappen, Ruth M. (2016). *Advanced nursing research: From theory to practice* (2nd ed.). Burlington, MA: Jones & Bartlett Learning.

Brown, Sarah J. (2018). *Evidence-based nursing: The research practicum connection* (4th ed.). Burlington, MA: Jones & Bartlett Learning.

American Psychological Association. (2020). *Concise guide to APA style: The official APA style guide for students* (7th ed.). American Psychological Association

Topical Outline:

|                 |  |
|-----------------|--|
| <b>MODULE 1</b> | <b>RESEARCH ETHICS</b>   |
| <b>MODULE 2</b> | <b>READING RESEARCH</b>  |
| <b>MODULE 3</b> | <b>SYSTEMATIC REVIEWS</b>  |
| <b>MODULE 4</b> | <b>CLINICAL PRACTICE<br/>GUIDELINES &amp; CLINICAL<br/>PROTOCOLS</b> |

|                  |   |
|------------------|---|
| <b>MODULE 5</b>  | <b>RESEARCH DESIGNS:<br/>QUALITATIVE</b>  |
| <b>MODULE 6</b>  | <b>RESEARCH DESIGNS:<br/>QUANTITATIVE</b>   |
| <b>MODULE 7</b>  | <b>TRUSTWORTHINESS<br/>(QUALITATIVE); RELIABILITY &amp;<br/>VALIDITY (QUANTITATIVE)</b> |
| <b>MODULE 8</b>  | <b>SAMPLING, RECRUITMENT &amp;<br/>DATA COLLECTION</b>                                  |
| <b>MODULE 9</b>  | <b>LINKING TO LITERATURE:<br/>INSTRUMENT SELECTION</b>                                  |
| <b>MODULE 10</b> | <b>LINK TO THEORY: LITERATURE<br/>REVIEW</b>  |
| <b>MODULE 11</b> | <b>INTERVENTIONS</b>  |
| <b>MODULE 12</b> | <b>ANALYSIS &amp; INTERPRETATION:<br/>QUANTITATIVE</b>                                  |
| <b>MODULE 13</b> | <b>ANALYSIS &amp; INTERPRETATION:<br/>QUALITATIVE</b>                                   |
| <b>MODULE 14</b> | <b>PRESENTING RESEARCH</b>  |
| <b>MODULE 15</b> | <b>REPORTING RESEARCH.USING<br/>EVIDENCE-BASED PRACTICR</b>                             |
| <b>MODULE 16</b> | <b>ESTABLISHING EVIDENCE-<br/>BASED PRACTICE</b>  |