

Course Description

NUR3165 | Nursing Research | 3.00 credits

This course provides a basic understanding of the steps and processes of qualitative and quantitative nursing research, with an emphasis on the development of the basic skills of analyzing research findings and how they can be incorporated and applied to clinical practice. Ethical and theoretical issues will be discussed. Minimum grade of "C" or better required. Prerequisite: Admission to the program

Course Competencies:

Competency 1: The student will interpret the relationship between research and evidence-based practice by:

1. Supporting the rationale for the use of evidence-based practice in clinical decision-making
2. Differentiating approaches of research information to answer a clinical question (meta-analyses, systematic reviews, randomized controlled trials, case-control studies, cohort studies, descriptive studies, qualitative studies, and expert opinion)
3. Illustrating the steps of the EBP process to plan a literature review
4. Specifying procedures that ensure the ethical treatment of research subjects (IRB or a setting clinical research committee)

Competency 2: The student will describe the conceptual process of a research study by:

1. Identifying the significant components of a research study (Aim/purpose, background/ literature review, design, methods, results, discussion for implications)
2. Indicating the elements of quantitative and qualitative methodology in the literature
3. Examining applicability, validity, and reliability when interpreting a research study
4. Describing the systematic organization of a research article

Competency 3: The student will utilize the quality improvement process to conduct a review of the evidence by:

1. Giving an example of patient, problem, or population-specific practice issues
2. Formulating a PICOT question to find an answer to an important clinical question
3. Utilizing information technology for database search
4. Selecting the best available empirical evidence to answer the PICOT clinical questions
5. Synthesizing a review of the evidence to answer the PICOT question

Competency 4: The student will critically appraise evidence by:

1. Classifying and organizing the appropriate level of evidence to answer the PICOT question
2. Distinguishing the type of study and design, including purpose, type of hypothesis, and hypothesis validation in a research study
3. Critiquing a research study determining variables, outcomes, sampling procedures, and statistical methods
4. Evaluating limitations and conflict of interest of a research study

Competency 5: The student will collaborate to propose and disseminate a quality improvement project by:

1. Selecting working group members
2. Organizing group activities to propose a plan for a quality improvement project
3. Disseminating and communicating results through developing an academic poster to showcase the QI project for potential translation into practice
4. Self-evaluating and reflecting on course outcomes

Learning Outcomes:

- Communicate effectively using listening, speaking, reading, and writing skills
- Use quantitative analytical skills to evaluate and process numerical data
- Solve problems using critical and creative thinking and scientific reasoning
- Formulate strategies to locate, evaluate, and apply information
- Create strategies that can be used to fulfill personal, civic, and social responsibilities
- Demonstrate knowledge of ethical thinking and its application to issues in society
- Use computer and emerging technologies effectively