

Calendar Course Description

This online course focuses on the acquisition and the application of fundamental concepts, methods, and procedures of quantitative nursing research required to develop a research proposal; including but not limited to: developing researchable questions, designing research, and selecting appropriate methods and analyses.

Co-requisite or prerequisite NURS 5100 6.0 or with permission of the Course Director.

Expanded Course Description

This course will enhance the student's knowledge in quantitative research methodology, one of the multiple ways of knowing in nursing. The student will develop the skills required to develop a research proposal using quantitative research methods by completing key steps in this process.

By the end of this course, the student will be able to:

- Formulate researchable questions and hypotheses;
- Understand the relationship between theory and research;
- Synthesize current literature pertaining to the research questions;
- Articulate the linkages between the research question and study design;
- Compare and contrast various quantitative research designs;
- Understand threats to the internal validity of quantitative research designs and methods to reduce such threats;
- Identify appropriate data collection methods, and the validity and reliability of data collection instruments;
- Demonstrate knowledge in a selected number of statistical data analysis techniques; and
- Critically appraise quantitative research studies and interpret research findings.

Required Textbooks:

Polit, D.F., & Beck, C.T. (2017). *Nursing research: Generating and assessing evidence for nursing practice*. 10TH ed. Philadelphia, P.A.: Wolters Kluwer . ISBN-10: 9781496300232