NURS 489 Research and statistics to support evidence-based practice
Credits: 6 (5 lecture, 1 college laboratory)
Semesters Offered:
Pre-requisites:

Course Description: This course provides an introduction to research principles and methodologies and the statistical procedures used most often to analyze data to support evidence-based practice. Emphasis is placed on critical analysis of nursing and health care research including the correct application and interpretation of statistical data.

Course Objectives:
1. Examine the research process and steps of research.
2. Discuss the roles of research in evidence-based practice.
3. Explain the importance of evidence as a basis for improving clinical outcomes.
4. Compare and contrast research and quality assurance/quality improvement and evidence-based practice.
5. Formulate research questions based on clinical problems.
6. Select, apply, and interpret common statistical tests to answer research questions and hypotheses.
7. Critique research reports with a focus on application to nursing practice.
8. Apply aspects of the research process to a selected health care issue.
9. Demonstrate behaviors that are congruent with the legal and ethical standards guiding health science and nursing research.
10. Demonstrate behaviors that are congruent with the MSU Code of Conduct, CON Student Handbook, ANA Code of Ethics, Scope and Standards of Practice, and Social Policy Statements in all class related interactions.

Recommended Content

1. Introduction to research principles and methods.
2. Differentiation of research and quality assurance/quality improvement.
3. Role of research in evidence-based practice.
4. Legal and ethical principles guiding health research including the protection of human subjects.
5. The role of conceptual frameworks/theories in research.
6. Introduction to descriptive and inferential statistics.
7. Processes used to critically evaluate evidence.

Approved by UAAC 9/16/13
Approved by Faculty 8/19/13