WILMINGTON UNIVERSITY
COLLEGE OF HEALTH PROFESSIONS
BASIC

COURSE NUMBER: MSN 6607

COURSE TITLE: EVIDENCE-BASED DECISION MAKING IN NURSING

I. COURSE OBJECTIVES:

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

1. Use data to apply for, administer, and/or evaluate a grant.
2. Identify clinical, educational, and administrative questions which may be addressed using available quantitative or qualitative data.
3. Critique research studies for application/usefulness to the practice setting.
4. Use selected computer programs to manipulate data in order to answer questions which arise in practice.
5. Select appropriate statistical methods to answer practice-driven questions (i.e. – knows level of data, validity of data, what he/she wants from the question, etc).
6. Presents data analysis project in an organized and professional manner.
7. Utilize critical thinking skills in class discussion, written work, online assignments, and oral/visual/voice-enhanced presentations.

II. SUPPLEMENTAL OBJECTIVES:

1. **Use data to apply for, administer, and/or evaluate a grant.**
   - Identify funding sources
   - Grant writing
   - Grant review process

2. **Identify clinical, educational, and administrative questions which may be addressed using available quantitative or qualitative data.**
   - Research questions
   - Hypotheses
   - Ethical considerations
   - Objective versus subjective data
3. **Critique research studies for application/usefulness to the practice setting.**
   - Significance of the study
   - Identifying strengths and limitations
   - Statistical significance vs. clinical significance
   - Statistical power
   - Variability
   - Triangulation
   - Meta-analysis
   - Replication

4. **Use selected computer programs to manipulate data in order to answer questions which arise in practice.**
   - Managing data
   - Statistical programs

5. **Select appropriate statistical methods to answer practice-driven questions (i.e. knows level of data, validity of data, what he/she wants from the question, etc).**
   - Statistical analyses – quantitative and qualitative

6. **Presents data analysis project in an organized and professional manner.**
   - The problem
   - Review of literature
   - Questions, hypotheses
   - Design and data collection decisions as applicable
   - Ethical considerations
   - Components of a poster presentation

7. **Utilize critical thinking skills in class discussion, written work, online assignments, and oral/visual/voice-enhanced presentations**
   - Utilization of appropriate informational resources.
   - Value writing and speaking skills.
   - Integrate course concepts into all assignment