COURSE NUMBER: NURS 200W Section 002

COURSE TITLE: Principles of Nursing Research and Evidence-Based Practice

CREDIT HOURS: 3 SH (3, 0)

CATALOG DESCRIPTION: Introduction to principles and methods of nursing research and application of research evidence to practice.

PREREQUISITES: STAT 200 or STAT 250, NURS 225; or STAT 250 and NURS 390 for NURN major

FACULTY: Marie Boltz, PhD, GNP-BC, FGSA, FAAN
Nursing Science Building 4F
mpb40@psu.edu
Telephone: 215-962-9712 Office hours by appointment

COURSE OBJECTIVES:
Upon completion of this course, the student will be able to:

1. Discuss the roles and responsibilities of the nurse related to research and evidence-based practice (EBP).
2. Compare and contrast the research process and the EBP process.
3. Explain the interrelationships among nursing theory, practice, and research.
4. Identify sources of evidence as a basis for EBP.
5. Describe the process by which an EBP question is formulated.
6. Formulate EBP questions that relate to relevant clinical problems and demonstrate critical thinking.
7. Describe basic concepts and steps of the research process in nursing.
8. Interpret research findings to determine statistical and clinical significance.
9. Appraise current issues relevant to nursing research (such as cultural diversity issues and ethical conduct of research).
10. Critically appraise published research studies.

TOPICAL OUTLINE:

1. Introduction to nursing research and evidence-based practice.
2. Relationships among nursing theory, practice and research.
3. Sources of evidence and evidence hierarchies.
5. Formulating evidence-based practice questions.
6. The scientific research process.
7. Exploration of basic quantitative and qualitative research designs.
8. Interpretation of research findings, including basic statistical analysis.
9. Ethical and cultural diversity considerations in nursing research.
10. Critiquing research findings for applicability to EBP.
11. Disseminating research findings.

TEACHING METHODOLOGIES MAY INCLUDE:

Selected Readings, Discussion, Writing Exercises, Study Guide Exercises, Audio Visuals, Internet/Computer Lab, Group Activities, Active Learning Modules, Interactive CD Modules, and Research Presentation

EVALUATION METHODS:

Clinical PICO(S) Question Worksheet: 5%

Evidence-Based Practice (EBP) Project: 60%

  EBP Project Part I: 10%
  EBP Project Part II: 10%
  EBP Project Part III: 20%
  EBP Project Part IV: 10%
  Final Dissemination of EBP Project: 10%

Quizzes: 25%

Ethics Reflection Assignment: 5%

Class Participation, Homework, & Discussions: 5%

LATE ASSIGNMENT POLICY:

Assignment deadlines will be adhered to unless there are exceptional circumstances. For assignments submitted up to 24 hours late, 10% of the grade will be deducted. For assignments submitted 24 to 48 hours late, 20% of the grade will be deducted. Assignments submitted more than 48 hours late will earn a score of zero.
ROUNDING POLICY:

A student must achieve a minimal final course grade of 75% for successful completion of the course. Each individual examination score is reported to the hundredth place, e.g. 92.76 and not rounded up. Only the final course grade will be rounded up. A final course grade of X.50 will be rounded to the next highest whole number (example 72.50 = 73). A final course grade of X .49 would not round up (example 72.49 = 72).

MAKE-UP EXAMS:

Make-up exams are only given for exceptional circumstances. Since exam dates are already specified in the syllabus, it is expected that students will adjust any scheduling issues they have to accommodate taking the exam. Recognizing, however, that one cannot plan to avoid or reschedule sickness, a family death, or a few other limited circumstances, make-up exams will be given at the discretion of the instructor. Make-up exams must be completed within one week of the missed event. The student must contact the instructor directly by phone or in person to make arrangements prior to the regularly scheduled exam period. The make-up exam will be equivalent in content covered and level of difficulty; however, the instructor reserves the right to alter the format of make-up exam, i.e., to include short answers or essay questions. If a student should miss a scheduled make up exam the student will receive a zero for the test.

REQUIRED TEXTS:


College of Nursing uses the current APA Manual criteria for all written assignments.

GRADE REQUIREMENT:

Students must achieve a letter grade of C or better (based on the College of Nursing grading scale) in both theory and clinical components of all nursing courses in order to pass the course and progress in the nursing program.

COLLEGE OF NURSING GRADING SCALE:

A   = 94-100   B   = 83-86   C   = 75-76
A-   = 90-93   B-   = 80-82   D   = 68-74
B+  = 87-89   C+  = 77-79   F   = Below 68
ACADEMIC PROGRESSION POLICY:

The Academic Progression policy delineates the academic standards for pre-licensure students (students without an RN license), who are admitted to the undergraduate nursing program. The policy states that **all prerequisite courses may be repeated only one time and failure of two required nursing courses will result in dismissal** from the nursing major. Details of the academic progression policy are available in the student handbook [http://www.nursing.psu.edu/media/nursing/files/BSHandbook.pdf](http://www.nursing.psu.edu/media/nursing/files/BSHandbook.pdf) (Links to an external site.)

ACADEMIC INTEGRITY:

Academic integrity is the pursuit of scholarly activity free from fraud and deceptions and is an educational objective of this institution. Academic dishonesty includes, but is not limited to, cheating, plagiarizing, fabricating of information or citations, facilitating acts of academic dishonesty by others, having unauthorized possession of examination, making copies in any manner of exams or papers, submitting work of another person or work previously used without informing the instructor, or tampering with the academic work of other students. At the beginning of each course, it is the responsibility of the instructor to provide a statement clarifying the application of academic integrity criteria to that course. A student charged with academic dishonesty will be given oral or written notice of the charge by the instructor. If students believe they have been falsely accused, they should seek redress through normal discussion with the instructor, department head, dean, or campus executive officer. If the instructor believes that the infraction is sufficiently serious to warrant referral of the case to the Office of Student Conduct, or if the instructor will award a final grade of “F” in the course because of the infraction, the student and instructor will be afforded formal due process (review Academic Integrity information, policy and procedure on the College of Nursing website at [http://www.nursing.psu.edu/undergraduate/academic-integrity](http://www.nursing.psu.edu/undergraduate/academic-integrity) (Links to an external site.)).

DISABILITY STATEMENT:

Penn State welcomes students with disabilities into the University's educational programs. Every Penn State campus has an office for students with disabilities. The Office for Disability Services (ODS) Web site provides contact information for every Penn State campus: [http://equity.psu.edu/ods/dcl](http://equity.psu.edu/ods/dcl). For further information, please visit the Office for Disability Services Web site: [http://equity.psu.edu/ods](http://equity.psu.edu/ods) (Links to an external site.).

In order to receive consideration for reasonable accommodations, you must contact the appropriate disability services office at the campus where you are officially enrolled, participate in an intake interview, and provide documentation: [http://equity.psu.edu/ods/guidelines](http://equity.psu.edu/ods/guidelines) (Links to an external site.). If the documentation supports your request for reasonable accommodations, your campus’s disability services office will provide you with an accommodation letter. Please share this letter with your instructors and discuss the
accommodations with them as early in your courses as possible. You must follow this process for every semester that you request accommodations.

**DIVERSITY STATEMENT:**

The faculty and staff of the College of Nursing value and are committed to fostering diversity in the classroom, the University, and the profession. By respecting differences in culture, age, gender, gender expression, race, ethnicity, national origin, differing abilities, sexual orientation, and religious affiliation, we enrich the learning environment; improve the practice and profession of Nursing; and enhance personal creativity and professional growth.

**REGISTRATION STATUS:**

All students in “Registration Not Complete” status must resolve issues before the first day of clinical or the 10th day after classes begin, whichever comes first. Students who do not complete registration will not be able to remain in nursing clinical courses. University policy on completing registration can be found at [http://www.registrar.psu.edu/registration/completing_registration.cfm](http://www.registrar.psu.edu/registration/completing_registration.cfm) (Links to an external site.)

**ATTENDANCE, STUDENT RESPONSIBILITIES AND CONDUCT:**

1. Attendance and participation in all scheduled classes is expected and will be monitored. Excessive absence can seriously affect a student’s success in passing this course.
2. If an evaluative event (exam, quiz, presentation or other form of assessment for grading) will be missed due to an unavoidable absence, the student must contact the instructor prior to the scheduled evaluative event.
   1. If the student does not contact the Course coordinator/instructor prior to the evaluative event, it will be considered an unexcused absence and an opportunity to take a make-up exam will not be offered.
   2. Students will be held responsible for using only legitimate, unavoidable reasons for requesting a make-up in the event of a missed class or evaluative event. Requests for missing class or an evaluative event due to reasons that are based on false claims may be considered violations of the policy on Academic Integrity.
3. Students are responsible for keeping track of changes in the course syllabus made by the instructor throughout the semester.
4. Students are responsible for monitoring their grades.
5. If extra credit assignments are offered, they must be offered to all students and should not be used to boost the grade of an individual student.
6. Behaviors that disrupt other students’ learning are not acceptable (e.g., arriving consistently late for class, cell phone use, reading non-course related materials, or social conversation during class), and will be addressed by the instructor.
7. For severe and chronic problems with student disruptive behavior, the Senate Committee on Student Life Policy on Managing Classroom Disruption will be followed. (http://studentaffairs.psu.edu/conduct/Disruptions.shtml (Links to an external site.))

Senate Approval: Spring 2010

Senate Effective Date: Spring 2011

Revised: Fall 2011, Summer 2013

Senate Approval of Revisions: Fall 2015

Senate Effective Date of Revisions: Fall 2016
# Schedule of Classes, Topic and Assignments

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<tr>
<td>In class</td>
<td></td>
<td>Research Problem, Purpose, &amp; Hypotheses (Module 2 ppt)</td>
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<td>Module 2</td>
<td>January 16, 2017</td>
<td>Martin Luther King Day - No Class</td>
<td>Read content overview Read Chapter 5 in <em>Understanding Nursing Research</em> by Grove, Gray, &amp; Burns (2015). Read Chapter 6, Pages 180-187; including Tables 6-4, 6-5, 6-6. View videos</td>
<td>Library Resource Module 3: Identifying a Scholarly Source (Links to an external site.). Submit the Completion Certificate by Thursday - 1/19/17 by Midnight. Complete the Module 2: Test Your Knowledge Quiz. Due Thursday, 1/19/17 by Midnight.</td>
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<td>Module 3</td>
<td>January 23, 2017</td>
<td>Class with Research Librarian</td>
<td>Revise your PICO(S) question as needed based on your meeting with the Research Librarian. (EBP Project Part I is</td>
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<td>Computer Lab</td>
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<td>Module</td>
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<td>4</td>
<td>January 30</td>
<td>Understanding the Literature Review, Theory, &amp; Research Frameworks</td>
<td><strong>Module 4: Content Overview AND the Module 4 ppt</strong></td>
<td>due on Thurs, 2/2/17 by Midnight.</td>
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<td>2017</td>
<td><strong>Read:</strong> Chapter 6 and Chapter 7 (pp 190-194; Tables 7-3 and 7-4) in Grove, Gray, &amp; Burns, 2015.</td>
<td><strong>View video</strong></td>
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<td><strong>Submit the Completion Certificate for Library Resource Module 4: Writing Tips by Thurs, 2/2/17 Midnight.</strong></td>
<td><strong>Complete the Module 4: Test Your Knowledge Quiz by Thurs, 2/2/17 Midnight.</strong></td>
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<td><strong>Continue to work on searching the literature for your Evidence-Based Practice Project. This includes development</strong></td>
<td><strong>Complete the Module 5: Test Your Knowledge Quiz by Thurs, 2/9/17 Midnight.</strong></td>
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<td>February 6</td>
<td><strong>Class: Quantitative and Qualitative Research (Module 5 &amp; 6 ppt)</strong></td>
<td><strong>Read:</strong> <strong>Module 5: Content Overview</strong></td>
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<td>5</td>
<td>In class</td>
<td><strong>Read:</strong> Chapter 2 and 8 (pp 222-232).</td>
<td><strong>View videos</strong></td>
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<td>February 6</td>
<td><strong>Read:</strong> <strong>Module 5: Content Overview</strong></td>
<td><strong>Complete the Module 5: Test Your Knowledge Quiz by Thurs, 2/9/17 Midnight.</strong></td>
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<td>2017</td>
<td><strong>Continue to work on searching the literature for your Evidence-Based Practice Project. This includes development</strong></td>
<td><strong>Complete the Module 6: Test Your Knowledge Quiz by Thurs, 2/16/17 Midnight.</strong></td>
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<td><strong>of the Literature Summary Tables for your studies including the Author/Title/Year/APA Reference Citation, Problem</strong></td>
<td><strong>Complete and submit EBP Project Part II by Thurs, 2/16/17 Midnight.</strong></td>
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<td>February 13</td>
<td>Chapter 3, focusing on Pages 66-82</td>
<td><strong>Read:</strong> <strong>Module 6: Content Overview</strong></td>
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<td>6</td>
<td>2017</td>
<td><strong>View videos</strong></td>
<td><strong>Complete the Module 6: Test Your Knowledge Quiz by Thurs, 2/16/17 Midnight.</strong></td>
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<td><strong>Complete and submit EBP Project Part II by Thurs, 2/16/17 Midnight.</strong></td>
<td><strong>Submit the Completion Certificate for Library Resource Module 4: Writing Tips by Thurs, 2/2/17 Midnight.</strong></td>
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| Module 7 | February 20, 2017 | Class: Examining Populations and Samples in Research (module 7 ppt)  
Clarifying Measurement and Data Collection in Quantitative Research (Module 8 ppt) | Read Chapter 9 in Grove, Gray, & Burns (2015).  
Read: Module 7: Content Overview  
Start to complete EBP Part III. This includes analyzing the strengths and weaknesses in research studies summarized in EBP Part II. |
|---|---|---|---|---|
| Module 8 | February 27, 2017 | Read Chapter 10 in Grove, Gray, & Burns (2015).  
Read: Module 8: Content Overview  
Watch videos | Complete Module 8: Test Your Knowledge Quiz by Thurs, 3/2/17 Midnight.  
Continue to work on EBP Project Part III (due Thurs, 3/23/17). |
| March 6, 2017 | **SPRING BREAK March 5-11** | | | |
| Module 9 and 10 | March 13, 2017 | Class: Critical Appraisal of Qualitative and Quantitative Research (Module 9 & 10 ppt) | Read Chapter 8 and Chapter 12, Pages 362-338.  
Read: Module 9 & 10: Content Overview  
Watch video | Complete Module 6 of the Library Nursing Instruction by Thurs, 3/16/17 Midnight. Submit completed certificate. |
| March 20, 2017 | | Reading above  
Complete and submit EBP Project Part III by Thurs, 3/23/17 Midnight. |
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<td>November 10, 2017</td>
<td><strong>Student Presentations</strong></td>
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<td>November 17, 2017</td>
<td><strong>Student Presentations</strong></td>
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<td>November 24, 2017</td>
<td><strong>Student Presentations</strong></td>
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<td>November 27, 2017</td>
<td>Research Event Attendance DUE by Midnight</td>
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<tr>
<td>November 30, 2017</td>
<td>EBP Project (Part IV and Final) DUE by Midnight.</td>
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