

Western Kentucky University
School of Nursing
NURSING 512
RESEARCH APPLICATIONS

Catalog Description: Includes interpretation, critique and communication of research findings; examines sources and application process for research funding. Written paper and presentation required.

Credit: Two credits

Prerequisites: Admission to graduate nursing program and **completion of Nursing 510.**

Objectives: At completion of this course the student will be able to:

- A. Analyze research studies for applicability of findings to advanced nursing practice.
- B. Demonstrate application of the research process through research utilization/EBP.
- C. Investigate sources appropriate for funding nursing research.
- D. Disseminate research findings for the improvement of nursing practice.

Objectives	Learning Activities	Assessment of the learning
Objective 1. Analyze research studies for applicability of findings to advanced nursing practice.	<ul style="list-style-type: none"> ○ Critique an article ○ Conduct and write a literature review related to an identified problem 	<ul style="list-style-type: none"> ○ Appraisal of a quantitative study ○ EBP Paper ○ Poster presentation
Objective 2. Demonstrate application of the research process through evidence-based practice (EBP).	<ul style="list-style-type: none"> ○ Listen to an EBP podcast ○ Complete a 6-module web assignment ○ Assigned readings ○ Use the AGREE instrument to appraise an EBP guideline 	<ul style="list-style-type: none"> ○ Short-answer assignments ○ Formulate PICOT questions ○ Quizzes ○ Appraisal of an EBP guideline
Objective 3. Investigate sources appropriate for funding nursing research.	<ul style="list-style-type: none"> ○ Assigned readings 	<ul style="list-style-type: none"> ○ Short-answer assignment
Objective 4. Disseminate EBP findings for the improvement of nursing practice.	<ul style="list-style-type: none"> ○ Submit an EBP paper ○ Present an EBP poster 	<ul style="list-style-type: none"> ○ EBP paper ○ Poster presentation

Evaluation Methods:

Evidence-based practice (EBP) Paper	100
Poster presentation	30
Quizzes (5 @ 10 points each)	50
Assignments (7 @ 10 points each)	<u>70</u>
Total Points	250

Grading: A = 90 - 100
 B = 80 - 89
 C = 70 - 79
 D = 60 - 69
 F = <60

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Assignments:

1. Evidence-based practice (EBP) Paper - the student will submit an EBP paper which addresses a nursing problem. The EBP topic and clinical question **must be approved by the faculty member by June 3, 2016.**
2. Poster Presentation -- the student will present the completed poster during the **week of June 27-30, 2016 - specific date and time TBA.**
3. On-line modules *-- the student will complete a 6-module web assignment titled *Understanding evidence-based healthcare: A foundation for action*. **Five quizzes** will be completed covering the content addressed in the six modules. Online registration is available at: <http://us.cochrane.org/understanding-evidence-based-healthcare-foundation-action>
4. Assignments -- the student will complete **7 assignments** addressing content in the selected readings.

Required texts:

Melnyk, B. & Fineout-Overholt, E. (2014). *Evidence-based practice in nursing & healthcare: A guide to best practice*. (3rd ed.). Philadelphia: Wolters Kluwer.

Grove, S., Burns, N., & Gray, J. (2013). *The practice of nursing research: Appraisal, synthesis, and generation of evidence* (7th ed.). St. Louis, MO: Elsevier.

American Psychological Association (2010). *Publication Manual of the American Psychological Association* (6th ed. 2nd printing). Washington, DC.

NOTE: Faculty reserves the right to make changes in the syllabus to improve the course or enhance student learning. If changes are made, written notice will be posted in Blackboard and emailed to students.

Weekly Schedule

Date	Topic	Readings	Assignments
May 16	Cochrane Modules 1-6	Melnyk & Fineout-Overholt, Chapter 7	Cochrane quizzes 1-5 due by 5/23/16 at 8am
May 23	EBP Asking PICOT questions	Melnyk & F-O, Chapters 1, 2, 3	Assignment 1 due 5/30/2016 at 8am
May 30	Strategies for EBP Models to guide EBP	Grove, Burns & Gray, Ch 19 Melnyk & F-O, Ch 8, 11-14	Assignment 2 due 6/6/2016 at 8am
June 6	Critically Appraising Evidence	Melnyk & F-O, Chapters 4, 5, 6	Assignment 3 due 6/13/2016 at 8am
June 13	Disseminating evidence & EBP	Grove, Burns & Gray, Ch 27 Melnyk & F-O, Ch 18	Assignment 4 due 6/20/2016 at 8am
June 20	Generating evidence Ethical Considerations	Melnyk & F-O, Chapters 19, 20, 22	Assignment 5 due 6/27/2016 at 8am
June 27	Writing Grant Proposals	Grove, Burns, & Gray, Ch 28; Melnyk & F-O, Ch. 21	Assignment 6 due 6/30/2016 at 8am
EBP Paper due by 8am	Seeking Funding for Research	Grove, Burns, & Gray, Ch 29	Assignment 7 due 6/30/2016 at 8am