New Course Request

Indiana University

IUPUI Campus

Check Appropriate Boxes: Undergraduate credit [ ] Graduate credit [X] Professional credit [ ]

1. School/Division: Nursing

2. Academic Subject Code: Nurs

3. Course Number: D736 (must be cleared with University Enrollment Services)

4. Instructor: TBD

5. Course Title: Inquiry I: Evidence-based Research & Translational Science

Recommended Abbreviation (Optional) (Limited to 22 Characters including spaces)

6. First time this course is to be offered (Semester/Year): Fall 2010

7. Credit Hours: Fixed at 3 or Variable from _____ to _____

8. Is this course to be graded S-F (only)? Yes [X] No [ ]

9. Is variable title approval being requested? Yes [ ] No [X]

10. Course description (not to exceed 50 words) for Bulletin publication: This course focuses on advanced applications of evidence-based practice. The course emphasizes foundational and advanced concepts of evidence-based practice and requires application of principles of EBP, thorough literature searches, appraisals of literature and formulation of plans. Clinical problems will be the basis of EBP literature searches and analyses.

11. Lecture Contact Hours: Fixed at Distance 3 or Variable from _____ to _____

12. Non-Lecture Contact Hours: Fixed at _____ or Variable from _____ to _____

13. Estimated enrollment: 20, of which 100 percent are expected to be graduate students.

14. Frequency of scheduling: Yearly. Will this course be required for majors? Yes [X]

15. Justification for new course: No current course offering for translational science & implementation of EBP. Prerequisite for D737

16. Are the necessary reading materials currently available in the appropriate library? Yes [X]

17. Please append a complete outline of the proposed course, and indicate instructor (if known), textbooks, and other materials. Approved

18. If this course overlaps with existing courses, please explain with which courses it overlaps and whether this overlap is necessary, desirable, or unimportant. None

19. A copy of every new course proposal must be submitted to departments, schools, or divisions in which there may be overlap of the new course with existing courses or areas of strong concern, with instructions that they send comments directly to the originating Curriculum Committee. Please append a list of departments, schools, or divisions thus consulted.

Submitted by: [Signature]
Department Chair/Division Director
Date: 9/19/09

Approved by: [Signature]
Dean
Date: 9/19/09

Dean of Graduate School (when required)
Date:

Chancellor/Vice-President
Date:

University Enrollment Services
Date:

After School/Division approval, forward the last copy (without attachments) to University Enrollment Services for initial processing, and the remaining four copies and attachments to the Campus Chancellor or Vice-President.

UPS 724
University Enrollment Services Final—White; Chancellor/Vice-President—Blue; School/Division—Yellow; Department/Division—Pink; University Enrollment Services Advance—White
NURS D736 Inquiry I: Evidence-based Research and Translational Science

Course information | Faculty | Description | Course competencies | Texts / readings | Teaching strategies | Evaluation

Course information

- 3 credit hour course [distance accessible]
- Placement in curriculum: Post masters and admission to DNP
- Co requisites: D749 DNP Practicum 1-3 credits

Faculty  D. Cullen, D. Stiffler

Description

This course focuses on advanced applications of evidence-based practice. The course emphasizes foundational and advanced concepts of evidence-based practice and requires application of principals of EBP, thorough literature searches, appraisals of literature and formulation of plans. Clinical problems will be the basis of EBP literature searches and analyses.

Course competencies

Upon the successful completion of the course, the student will be able to:

1. Frame clinical problems and devise a literature search protocol
2. Differentiate between three comprehensive EBP models
3. Demonstrate the process for conducting a systematic review and meta-analysis
4. Carry out a meta-synthesis and economic evaluation
5. Search scholarly evidence for initial and potential interventions or innovations for a community of practice
6. Construct an evidence synthesis as related to the clinical problem
7. Incorporate evaluation of EBP experiences into your evolving personal- professional development

Course Content Topical Outline
NURS D736 INQUIRY I

This content is based on the Iowa Model of Evidence-based Practice to Promote Quality Care (2001). *Critical Care Nursing Clinics of North America* 13(4), 497-508.

**Iowa Model of Evidence-based Practice to Promote Quality Care**
1. Triggers
2. Priority of the Topic
3. Forming a Team
4. Assemble Relevant Research and Related Literature
5. Critique and Synthesis of Research
6. Is there Sufficient Research to Guide Practice
7. Insufficient Research to Guide Practice
8. Adoption in Practice
9. Institute the Change in Practice
10. Monitor and Analyze Structure, Process and Outcome Data

This content is based on the Essential Competencies for Evidence-based Practice in Nursing. (2005). *Academic Center for Evidence-based Practice*. San Antonio: UTHSCSA.

**Ace Star Model for Evidence-Based Practice in Nursing**
1. Primary Research
   a. New knowledge is discovered through traditional research methodologies and scientific inquiry
2. Evidence Summary
   a. The corpus of research is synthesized into a single, meaningful statement of the state of knowledge
3. Translation
   a. Research evidence is translated into clinical recommendations
   b. Expert opinion and other sources of knowledge are incorporated
4. Integration
   a. Individual, organizational, and environmental practices are changed through formal and informal channels
5. Evaluation
   a. Endpoints and outcomes are evaluated
   b. Evaluation of impact of EBP on patient health outcomes, provider and patient satisfaction, efficacy, efficiency, economic analysis, and health status impact

This content is based on the Joanna Briggs Institute Model of Evidence-based Healthcare (JBI, 2008) and *Will it Work Here? A Decisionmaker's Guide to Adopting Innovations* (AHRQ, 2008).
Joanna Briggs Institute Model:
1. Evidence-based Practice
   a. Evidence
   b. Context
   c. Preference
   d. Judgment
2. Healthcare Evidence Generation
   a. Healthcare Interventions/activities
   b. Methods of utilization/implementation
3. Evidence Synthesis
   a. Theory
   b. Methodology
   c. Systematic Review
   d. Search and appraise
4. Evidence (Knowledge Transfer)
   a. Education
   b. Information
   c. Systems
   d. Summarize and embed
5. Evidence Utilization
   a. Evaluation of Impact on systems/process/outcomes
   b. Practice change
   c. Embed system organizational change
   d. Use and evaluate

Required Texts
Students are expected to build their own bibliography and to read deeply and widely as related to their Doctoral of Nurse Practice project.


Recommended Readings
Readings may include but are not limited to the following sources:

Adams S. & Titler MG. (2007). Strategies for promoting the development of evidence-

Teaching Strategies

Web-based interaction

Negotiated learning contracts
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Self-directed learning assignments

Online discussion forums

Reflective self-analysis

Student-clinical mentor- faculty conferences

Evaluation and Grading

There are several evaluation methods for this course. The course grade will be calculated in consultation with the clinical mentor and based on the school of nursing grading scale:

1. Problem & evidence presentation 20 percent
2. DNP project 60 percent
3. Participate in discussion forums (graded by rubric) 10 percent
4. Reflective narrative related to DNP inquiry 10 percent

Letter grades are calculated based on the School of Nursing Grading Scale below. Attainment of an average of B- is required to successfully pass the course.

A+ 97 - 100  B+ 87 - 89  C+ 77 - 79  D+ 67 - 69  F  Below 60
A  93 - 96  B  83 - 86  C  73 - 76  D  63 - 66
A-  90 - 92  B-  80 - 82  C-  70 - 72  D-  60 - 62

Academic Integrity:

This course complies with Indiana University School of Nursing policies and standards, and those delineated in the IU Code of Student Rights, Responsibilities, and Conduct: http://www.dsa.indiana.edu/Code/ and http://www.dsa.indiana.edu/Code/Part_2acad.html.
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Americans with Disabilities Act:

If you need any special accommodations due to a disability, please contact Adaptive Educational Services at (317)-274-3241. The office is located in CA 001E.