

APPROVED

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DEC 29 2011

COLLEGE OF GRADUATE STUDIES

The University Of Toledo NEW COURSE PROPOSAL

\* denotes required fields

1. College\*: Nursing
Department\*: College of Nursing

Level (check one)\*
Undergraduate
Graduate
Type of course (check all that apply):
Academic Skills Enhancement Writing Intensive (WAC) Honors
Univ. Core: English Hum Math Nat. Sciences Social Sciences
Multicultural: Diversity of US Culture Non-US Culture
Transfer module: Arts&Hum Engl Math Nat Sci & Phys Soc Sci

2. Contact Person\*: Susan Sochacki Phone: 418-383-5806 Email: susan.sochacki@utoledo.edu

3. Alpha/Numeric Code (Subject area - number)\*: NURS - 7920

If this is a renumbering, please request an electronic copy of the old course approval through the Register's Office at x4865, and attach it to #15 in this form. Remember to delete the old course ID in #13.

4. Proposed title\*: See Attached OUTCOMES METHODS FOR ADVANCED PRACTICE NURSES
Proposed effective term: F 2014

5. Planned enrollment per section: 10 per term: 10

6. Is the course cross-listed with another academic unit? Yes No

Is the course offered at more than one level? Yes No
If yes to either question, please list additional Alpha/Numeric codes, and submit a separate New Course form or Course Modification form for the course(s) referenced below.

a. b. c.

Approval of other academic unit (signature)

Name and title

If course is to be offered at more than one level, attach an explanation of the different requirements that students must meet for each level. If the requirements are the same for each level, justification must be provided.

7. Credit hours\*: Fixed: 3 or Variable: to

8. Delivery Mode: Primary\* Secondary Tertiary

Table with 3 columns: Activity Type, Minimum Credit Hours, Maximum Credit Hours, Weekly Contact Hours. Row 1: Lecture, 3, 3, 3. Row 2: Other/DC, 3, 3, 3.

† Choices are: Lecture, Recitation, Seminar, Regular Lab, Open Lab, Studio, Clinic, Field, Independent Study, Workshop, Computer Assisted Instruction, Other

9. Terms offered: Fall Spring Summer

Years offered: Every Year Alternate Years

10. Are students permitted to register for more than one section during a term? No Yes

May the courses be repeated for credit? No Yes 3 Maximum Hours

11. Grading System\*: Undergraduate Graduate

- Normal Grading (A-F,PS/NC,PR, I)
- Passing Grade/No Credit (A-C, NC)
- Credit/No Credit
- Grade Only (A-F, PR, I)
- Audit only
- No Grade
- Normal Grading (A-F,PS/NC,PR, I)
- Grade Only (A-F)
- Satisfactory/Unsatisfactory (G only)
- Audit only
- No Grade

12. Prerequisites (must be taken before): a. NURS - 7910 b. INDI - 8000 c. - -  
 PIN (Permisson From Instructor)  PDP (Permission From Department)

Co-requisites (must be taken together): a. NURS - 7040 b. - - c. - -

13. If course is to replace an existing, course(s) will be deleted, and when should that deletion occur?  
Course to be removed from inventory Final Term to be offered (YYYYT. i.e. use 20064 for Fall'06)

a.	-	
b.	-	
c.	-	
d.	-	

14. Catalog description\* (30 words Maximum)  
 See Attached

15. Attach an electronic copy of a complete outline of the major topics covered.  
 Syllabus: \*   
 Additional Attachment 1:   
 Additional Attachment 2:

16. Where does this course fit in the University/College/Department curriculum? (Be specific by course level, if applicable). Indicate prospective demand.  
 Fifth semester in the BSN-DNP program.

17. If the proposed course is similar to another course in the College or University, please describe the difference and provide a rationale for the duplication. (If this course duplicates material covered in another course within your department or college or in another college, attach a letter of endorsement from that area's dean and department chairperson indicating their support. Clarify the manner in which this course will differ).

18. If the course is intended to meet a University Undergraduate Core requirement, complete the following and submit a course syllabus using the template:  
 Please explain how this course fulfills the general education guidelines. (Guidelines are available in Faculty Senate Website)

**Course Approval:**

Department Curriculum Authority:  Date: Month / Day / Year  
 Department Chairperson: *Sharon Smoler, Ph.D., RN* Date: Month 12 / Day 12 / Year 11

College Curriculum Authority:  Date Month  / Day  / Year

College Dean:  Date Month  / Day  / Year

*After college approval, submit the original signed form to the Faculty Senate (UH 3320) for undergraduate-level courses; for graduate-level courses submit the original signed form to the Graduate School (UH3240). For undergraduate/graduate dual-level courses, submit the proposals to each office.*

Faculty Senate Undergrad. Curriculum Comm.:  Date Month  / Day  / Year

Faculty Senate Core Curriculum Comm.:  Date Month  / Day  / Year

Graduate Council:  Date Month  / Day  / Year

Office of the Provost:  Date Month  / Day  / Year

Registrar's Office:  Date Month  / Day  / Year

**You will see a confirmation page after you press the "Submit" button. If you do not see the confirmation page, please call x 4320 or send an email to ProvostWebMaster.utoledo.edu. Thanks.**

**University of Toledo College of Nursing  
BSN to DNP Program  
Syllabus**

**NURS 7920 Outcomes Methods for Advanced Practice Nurses**

**COURSE CREDIT & CONTACT HOURS:**

3 semester credits: 3 theory hours

**PRE-REQUISITES:**

1/12/12 J  
1/12/12 JS  
INDI ~~5000~~ 8000 Introduction to Biostatistical Methods, NURS 7910 Advanced Nursing Research

**CO-REQUISITE:**

NURS 7040 Applied Nursing

**FACULTY:** TBA

**COURSE DESCRIPTION:**

Emphasis on statistical methods associated with outcome measurement, experimental and quasi-experimental designs, meta-analysis and meta-synthesis. Evaluates nursing evidence in support of evidence-based practice protocol, development and evaluation.

**COURSE OBJECTIVES:**

1. Evaluate psychometric properties of outcome measures.
2. Evaluate group differences obtained from research using experimental and quasi-experimental designs
3. Synthesize results across qualitative and quantitative studies to develop and evaluate evidence-based practice protocols.

**University of Toledo College of Nursing**  
**BSN to DNP Program**  
**Syllabus**

**NURS 7920**

Outcome Methods for Advanced Practice Nurses

**COURSE CREDIT & CONTACT HOURS:**

3 semester credits: 3 theory hours

**FACULTY:**

TBA

**PRE-REQUISITES:**

INDI 8000 Introduction to Biostatistical Methods, NURS 7910 Advanced Nursing Research

**CO-REQUISITE:**

NURS 7040 Applied Nursing

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Emphasis on statistical methods associated with outcome measurement, experimental and quasi-experimental designs, meta-analysis and meta-synthesis. Evaluates nursing evidence in support of evidence-based practice protocol, development and evaluation.

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2. Evaluate group differences obtained from research using experimental and quasi-experimental designs
3. Synthesize results across qualitative and quantitative studies to develop and evaluate evidence-based practice protocols.

**Required Texts:**

IBM SPSS Grad Pack Software for Students

Abdi, H., Edelman, B., Valentin, D. & Dowling, W.J. (2009). *Experimental Design & Analysis for Psychology*. ISBN-10: 0199299889 | ISBN-13: 978-0199299881

Nunnally, J. & Bernstein, I. (1994). *Psychometric Theory*. ISBN-10: 007047849X | ISBN-13: 978-0070478497

Borenstein, M., Hedges, L.V., Higgins, J.P.T. & Rothstein, H.R. (2009). *Introduction to Meta-Analysis (Statistics in Practice)*. ISBN-10: 0470057246 | ISBN-13: 978-0470057247

Margarete Sandelowski & Julie Barroso (2007). *Handbook for synthesizing qualitative research*. Springer Publishing Company

**Required Readings (sample):**

Sally Thorne, Louise Jensen, Margaret H. Kearney, George Noblit and Margarete Sandelowski. (2004). Qualitative Metasynthesis: Reflections on Methodological Orientation and Ideological Agenda. *Qual Health Res*, 14: 1342, DOI: 10.1177/1049732304269888

**Course Requirements: Expectations of students in course**

By completion of the course, students will be expected to:

1. Evaluate psychometric properties of outcome measures.
2. Evaluate group differences obtained from research using experimental and quasi-experimental designs
3. Synthesize results across qualitative and quantitative studies to develop and evaluate evidence-based practice protocols.

**Course Grading Scale**

Successful completion of the course requires a grade of 80 or better.

Grading will be based on a scale of 100 points as follows:

- A = 90-100 points or more
- B = 80-89 points
- C = 70-79 points
- D = 65-69 points
- F = 64 or fewer points

Points are earned from assignments and projects as follows:

- Assignment 1 = 25% of points toward course grade
- Assignment 2 = 25% of points toward course grade
- Project = 50% of points toward course grade

**Evaluation Strategies**

Assessment of learning will be based on two assignments and one project for the course, each of which addresses a specific course objective.

**Assignment 1. Psychometric Evaluation of an Outcome Measure**

Students will design and conduct a psychometric evaluation of one measure based upon an existing dataset. Faculty will provide up to three datasets on different outcome measures from which students can select. Each dataset allows for evaluation of validity and reliability of the measure in one or more ways. Completed assignments will include a description of the plan for evaluation for the measure, SPSS output of the statistical tests performed, and a write-up of the results including their interpretation.

**Grading criteria:**

- Plan specifies a minimum of one type of validity and reliability to be assessed: 9 pts.
  - Plan consistent with type available data
  - Plan specifies statistics appropriate to type of validity and reliability
- SPSS output indicates the following: 9 pts.
  - Appropriate assessment of descriptive data

- Selection of appropriate statistical procedures and options within
- Annotation of results selected for reporting
- Write up includes:
  - Correct reporting and interpretation of each result 7 pts.
- Extra credit: Multiple approaches to assessment of validity and reliability are appropriately included in the plan, output, and write-up Max. 5 pts.

**Assignment 2. Evaluation of Intervention Effect**

Students will design and conduct an evaluation of a nursing intervention to affect at least one outcome based upon an existing dataset. Faculty will provide up to three datasets on different outcome measures from which students can select. Each dataset allows for evaluation of one or more outcomes. Completed assignments will include a narrative and quantitative description of the outcome(s) to be evaluated, a plan for evaluation for the outcomes, SPSS output of the statistical tests performed to evaluate the outcomes, and a write-up of the results including their interpretation.

**Grading criteria:**

- Description includes outcome(s) for at least one concept: 6 pts.
  - Narrative defines concept in a manner consistent with data available
  - Quantitative data supports narrative
- Evaluation plan 6 pts.
  - Reflects issues and remedies related to descriptive data on outcome(s)
  - Plan consistent with type of available data
  - Plan specifies statistics appropriate for making inferences on differences
- SPSS output indicates the following: 7 pts.
  - Selection of appropriate statistical procedures and options within
  - Annotation of results selected for reporting
- Write up includes: 6 pts.
  - Correct reporting and interpretation of each result
- Extra credit: Four criteria above adequately presented for two or more outcomes Max. 5 pts.

**Project: Meta-analysis or meta-synthesis project**

The project is to produce a meta-analysis or meta-synthesis on a clinical topic for which no evidence-based practice protocol has been published. Students will select a method of analysis from among options covered in the course. The resulting analysis will be presented as a paper suitable for submission as a manuscript for publication, including naming of a target journal and formatting consistent with journal's author guidelines (to be included with the paper).

**Grading criteria:**

- Justification of need for a meta-analysis or –synthesis 4 pts.
- Adequacy of procedures defining the literature identification and selection 8 pts.
- Appropriate extraction of data from identified literature 8 pts.
- Appropriate analytic method selected 8 pts.
- Adequate application of analytic strategy 8 pts.
- Clear and accurate presentation of results 8 pts.
- Rational interpretation of results. 4 pts.

Adherence to author guidelines.  
Extra credit is not available for this project.

2 pts.

### **ATTENDANCE AND PARTICIPATION**

Students are expected to read assigned materials and participate in every class session. While no points for attendance are awarded or subtracted, failure to attend and participate will hamper student's ability to complete assignments and the project to the expectations of faculty. Proper professional behavior is expected during class sessions including respect for other students and faculty, courteous communications, quieting of cell phones and elimination of distracting behavior, such as side bar discussions, texting, etc.

### **AMERICAN WITH DISABILITIES ACT**

The Americans with Disabilities Act requires that reasonable accommodations be provided for students with physical, sensory, cognitive, systemic, learning, and psychiatric disabilities. Please contact the instructor of this course at the beginning of the semester to discuss any necessary accommodations.

### **ACADEMIC HONESTY**

Academic dishonesty will not be tolerated. **University of Toledo:** See current UT Academic Policies and Procedures and the current College of Nursing Handbook. Please read the Policy Statement on Academic Dishonesty.

Please be aware that a sentence which is minimally paraphrased (you changed a word here and there) must be cited appropriately and the page number must be given as reference. The citation may require quotation marks if only a few words are changed, added, or subtracted. **See APA 6th edition pp. 16-17 regarding plagiarism and pp.169-192 regarding quotations, paraphrasing, and citations.** Material downloaded from the Internet must be properly cited, referenced in the reference list, and must come from a reputable web site. **Wikipedia is NOT a reputable source for your academic work.** You are expected to **review the current literature on the topic from published articles in referred journals as assigned.**

### **COMMUNICATION GUIDELINES:**

#### **Email:**

Students are expected to check their email frequently for important course information. In addition, please place NUR 825/704 in the subject line for all corresponding course emails. You are expected to also **check and use your official UT email accounts.** No emails will be accepted or sent to personal email accounts.

#### **In person:**

If you need to discuss course material with the faculty member outside of course time, please check for posted office hours, during which drop-ins are welcome, or call for an appointment outside those times.



### Class Schedule

<b>Week</b>	<b>Topics</b>	<b>Activities/Teaching strategies</b>
1	Introduction to course SPSS Dataset selection for course analyses	Discussion SPSS review session Access provided to de-identified database(s)
2	Nursing Outcomes Measurement	Lecture/discuss assigned readings
3	Validity: types and related statistical procedures	Lecture/discuss assigned readings
4	Reliability: types and related statistical procedures	Lecture/discuss assigned readings
5	Sample psychometric analysis	In-class exercise, sample database
6	Evaluating Effects of Interventions	Lecture/discuss assigned readings In-class exercise, sample database
7	Means tests t, F	Lecture/discuss assigned readings In-class exercise, sample database
8	Analysis of Variance	Lecture/discuss assigned readings In-class exercise, sample database
9	Non-parametric and other approaches	Lecture/discuss assigned readings In-class exercise, sample database
10	Meta-analysis and meta-synthesis: A comparison	Lecture/discuss assigned readings Present examples
11	Defining the question delimiting the literature	Lecture/discuss assigned readings Present examples
12	Data extraction approaches	Lecture/discuss assigned readings Present examples
13	Data compilation approaches	Lecture/discuss assigned readings Present examples
14	Reporting and interpreting results	Lecture/discuss assigned readings Present examples
15	Project reports	Students report on projects