## The University Of Toledo

### NEW COURSE PROPOSAL

* denotes required fields

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

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**:
   **Proposed effective term**:  
   **Planned enrollment per section**: 10  
   **Effective term**: 10

5. **Is the course cross-listed with another academic unit?**  
   **Is the course offered at more than one level?**
   
   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.  

6. **Credit hours***:  
   **Fixed**: 3  
   **Variable**: to

7. **Delivery Mode**:  
   **Primary***:  
   **Secondary***:  
   **Tertiary***:  

   a. **Activity Type**: *Lecture*  
   b. **Minimum Credit Hours**: 3
   c. **Weekly Contact Hours**: 3

8. **Terms offered**:  
   **Years offered**:  

9. **Grading System***:  
   **Undergraduate**  
   **Graduate**

10. **Are students permitted to register for more than one section during a term?**  
    **May the courses be repeated for credit?**  

11. **Administrative Use Only**

   - **Code**:  
   - **Approved (senate or Grad Council)**
   - **Effective Date**: (mm/dd/yyyy)
   - **CIP Code**:  

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http://curriculumtracking.utoledo.edu/NewCourse.asp  
12/9/2011
New Course Proposal

12. Prerequisites (must be taken before): a. NURS 7910  
   b. INDI 8000  
   c.  

   Options: PIN (Permission From Instructor)  
PDP (Permission From Department)  

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

   Options:  

14. If course is to replace an existing, course(s) will be deleted, and when should that deletion occur?  
   a.  
   b.  
   c.  
   d.  

15. Catalog description* (30 words Maximum)  
See Attached  

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

17. 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.  

18. 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).  

19. 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:  
Department Chairperson:  

http://curriculumtracking.utoledo.edu/NewCourse.asp  
12/9/2011
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.: 
Faculty Senate Core Curriculum Comm.: 
Graduate Council: 
Office of the Provost: 
Registrar's Office: 

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.
NURS 7920 Outcomes Methods for Advanced Practice Nurses

**COURSE CREDIT & CONTACT HOURS:**
3 semester credits: 3 theory hours

**PRE-REQUISITES:**
- INDI 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

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.

Required Texts:  
IBM SPSS Grad Pack Software for Students  
Required Readings (sample):

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:
- Appropriate assessment of descriptive data 9 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
- 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:
- 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 meta-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

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