Catalog Course Description: Prepares students to become consumers of research who critically evaluate and base their nursing care on evidence. Research methodologies essential to providing evidence-based nursing care.

Course Objectives: Upon completion of this course, students will be able to:
1. Develop an appreciation for the importance of nursing research.
2. Describe the basic steps of the research process utilizing the appropriate terminology.
4. Evaluate validity, reliability, and quality of resources related to research, including web based and published materials.
5. Use critical appraisal skills to evaluate research findings in nursing and related fields with respect to the problem, methods and findings.

Prerequisites: None

Co-requisites: None

Standards Documents: The curriculum is guided by the following documents:
American Nurses Association (2010). Nursing’s social policy statement: The essence of the profession (3rd ed.). Silver Spring, MD: Nursebooks.org

Course Faculty:
Faculty: Kelly Brittain, PhD, RN
Contact Information: Kelly.brittain@ch.msu.edu Office: (517) 432-8356
Office Hours: TBA (Office C348 Life Science Building)
Note: Times can be arranged to accommodate student schedules.
**Instruction:**

a. **Methodology:** This course will utilize group discussions, didactic interaction, audio-visual materials, quizzes, and written examinations as well as an interview with a researcher on the MSU campus. This course uses a system called A New Global Environment for Learning (ANGEL). All presentation content, readings, and course activities, such as the discussion or assignments, will be outlined weekly.

b. **Writing Requirements:** All written assignments require APA format (see required text). The grading of written assignments will follow the College of Nursing grading scale. 1(one) point will be deducted per day for late assignments.

c. **Required Texts:**


**American Nurses Association Electronic Books (E-books)**


American Nurses Association (2010). Nursing Scope and Standards of Practice<http://catalog.lib.msu.edu/record=b8270966%7ES39a%20%20> (2nd ed.). Silver Spring, MD


(Note to Students: Access these e-books through the MSU Libraries Catalog or the Nursing E-book page: http://libguides.lib.msu.edu/nursingebooks. These e-books allow unlimited concurrent users.)

Optional Texts:

a. **Required Resources, References, Supplies** Students will need to complete additional outside class work such as internet or library researches, and an interview with a MSU College of Nursing researcher. All of the course materials will be accessible through ANGEL. If you have problems with ANGEL please call the help line below.

ANGEL Help Line
1.800.500.1554 (24 hrs, 7 days/week)
517.355.2345 (24 hrs, 7 days/week)
www.angel.msu.edu (ANGEL Help link in upper right corner)
Always check with the ANGEL Help Line first!

b. **Frequently Called Telephone Numbers**
Simulation Lab, Life Sciences; 355-5765 (with answering machine)
Media Lab (Andy Greger) Life Sciences, 353-9020
College of Nursing Student Support Services A117 Life Sciences 353-4827.
Evaluation:

a. Learning Assessments and Grading: The final course grade will be based on performance on the following activities:

<table>
<thead>
<tr>
<th>Activity</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Completion of Human Subjects certificate/HIPAA Training</td>
<td>10% total</td>
</tr>
<tr>
<td>Completion of Annotated Bibliography</td>
<td>10% total (Scoring Rubric in ANGEL)</td>
</tr>
<tr>
<td>Quizzes 1-3</td>
<td>15% total (5% each quiz)</td>
</tr>
<tr>
<td>Completion of a Critique of a Research Article</td>
<td>20% total (Scoring Rubric in ANGEL)</td>
</tr>
<tr>
<td>Completion of an Interview with a Researcher Scientist</td>
<td>20% (Scoring Rubric in ANGEL)</td>
</tr>
<tr>
<td>Develop Poster and Present in Class</td>
<td>20% (Scoring Rubric in ANGEL)</td>
</tr>
<tr>
<td>Wrappers-Weekly Posting of Lessons Learned every week</td>
<td>5% total (Required posting every week)</td>
</tr>
</tbody>
</table>

**GRAND TOTAL:** 100%

b. Course Grading Scale: The standard College of Nursing grading scale will be utilized.

<table>
<thead>
<tr>
<th>%</th>
<th>GRADE</th>
</tr>
</thead>
<tbody>
<tr>
<td>100-94 %</td>
<td>4.0</td>
</tr>
<tr>
<td>93.99-89%</td>
<td>3.5</td>
</tr>
<tr>
<td>88.99-84%</td>
<td>3.0</td>
</tr>
<tr>
<td>83.99-79%</td>
<td>2.5</td>
</tr>
<tr>
<td>78.99-75%</td>
<td>2.0</td>
</tr>
<tr>
<td>74.99-70%</td>
<td>1.5</td>
</tr>
<tr>
<td>69.99-65%</td>
<td>1.0</td>
</tr>
<tr>
<td>&lt;65%</td>
<td>0.0</td>
</tr>
</tbody>
</table>

“Final Course Grades will not be rounded”

*For specific information regarding grading related to student progression through the curriculum, please reference the “Progression through the Major Policies” section of the Baccalaureate Student Handbook.

Professionalism:

**COURSE POLICIES:**

A. **Attendance** is required for all classes, unless prior arrangements have been made with course faculty. Classes are the entire time scheduled. Any unexcused absence may result in a decrease in the final course grade.

B. **Human Subject Tutorial and Health Insurance Privacy Act Tutorial.** These are online self-learning modules. Instructions on how to complete these modules are available in ANGEL. The Tutorial must be completed by 12 midnight on date listed on course calendar.
C. **Completion of Annotated Bibliography**: a 5-page paper, with a separate cover and references (limit of 5-per paper) in APA format. Requirements for the paper are listed in the Annotated Bibliography scoring rubric. The paper is DUE at 12 midnight on the date listed on the course calendar.

D. **Critique of Research Article**: a 5-page paper, with a separate cover and references (limit of 5-per paper) in APA format. Requirements for the paper are listed in the Critique of Research Article scoring rubric. The paper is DUE at 12 midnight on the date listed on the course calendar.

E. **Quizzes**: Three quizzes will be given in class in ANGEL. Each quiz will be worth 5 points that can go towards a final grade. For students who miss quizzes, 1-point will be deducted for each day the exam is taken late.

F. **Interview with a Research Scientist**: Students will use the template and conduct an interview with a research scientist in the College of Nursing (or field of interest [with permission of faculty]). The assignment will be placed in the Drop Box in ANGEL.

G. **Poster and Poster Presentation**: At the end of the semester, a Poster will be completed summarizing the literature reviewed during the annotated bibliography. The poster will be presented in the last class session.

H. **Wrappers**: A discussion forum will be available for students to post lessons learned from weekly readings/presentations in class.

I. **Class Participation**: A seminar style discussion will occur during each class and it is expected that students will have read the required readings and participate in discussion every day, and to use teamwork when completing in-class projects.

J. **Communication**: Faculty can be contacted most directly by e-mail or via office phone (see page one). Send all electronic communication to faculty through ANGEL. If necessary, appointments may be made individually with faculty to discuss specific concerns. Questions regarding specific content are to be directed to faculty. Information, assignments, and announcements will be posted electronically on the MSU Angel site.

K. **Student Faculty Relationship**: Any concerns or issues that arise should be discussed with faculty as soon as possible. They can be reached via e-mail or phone listed on the first page of syllabus. It is expected that a professional, courteous, positive demeanor will be exhibited to peers, faculty, and College of Nursing staff with each encounter. It is expected that you will be on time to class. If for some reason you have to be late or leave early, the course chair should be notified and plans will be made so you will not disturb the entire class. **Talking, reading the newspaper, cell phone use, and sleeping are unacceptable, and you will be asked to leave the room.** Cell phones are to be turned off. **IPODS and earphones of any type are NOT permitted in class.** Recording devices and laptops may be used with permission of the instructor. Faculty is open to feedback, ideas, and concerns. For in-depth discussions, scheduled meeting is suggested. See contact information for email access.

K. **Refer to MSU Spartan Life Handbook and College of Nursing BSN Handbook for policies regarding:**
   1. Academic Dishonesty
   2. Taping and communication devices
   3. Weather
   4. Protection of property/computers
   5. Protection of Scholarship and grades
   6. SIRS
   7. Dress code
   8. Disabled Student
University & College Policies:

The College of Nursing expects that students will demonstrate professional behavior in all situations. Specific expectations for clinical and other professional venues can be found in the appropriate handbook. You are responsible for reviewing and acting in accordance with the policies and procedures found in the following sources, including the following topics: Professionalism, Academic Integrity, Accommodations for Students with Disabilities, Disruptive Behavior, Attendance, Compliance, and Progression.

- CON MSN Student Handbook: [http://nursing.msu.edu/MSN%20Programs/Handbooks/default.htm](http://nursing.msu.edu/MSN%20Programs/Handbooks/default.htm)
- Information for MSU Students: [http://www.msu.edu/current/index.html](http://www.msu.edu/current/index.html)
- Academic Programs: [http://www.reg.msu.edu/AcademicPrograms](http://www.reg.msu.edu/AcademicPrograms)
- Code of Teaching Responsibility and Student Assessments and Final Grades: [http://www.reg.msu.edu/AcademicPrograms/Print.asp?Section=514](http://www.reg.msu.edu/AcademicPrograms/Print.asp?Section=514)
- Integrity of Scholarship and Grades: [http://www.reg.msu.edu/AcademicPrograms/Print.asp?Section=534](http://www.reg.msu.edu/AcademicPrograms/Print.asp?Section=534)

University Policies:

**Academic integrity:** Article 2.3.3 of the [Academic Freedom Report](https://www.msu.edu/unit/ombud/academic-integrity/index.html#regulations) states that "The student shares with the faculty the responsibility for maintaining the integrity of scholarship, grades, and professional standards." In addition, the College adheres to the policies on academic honesty as specified in General Student Regulations 1.0, Protection of Scholarship and Grades; the all-University Policy on Integrity of Scholarship and Grades; and Ordinance 17.00, Examinations. (See Spartan Life: Student Handbook and Resource Guide [http://splife.studentlife.msu.edu/](http://splife.studentlife.msu.edu/) and/or the MSU Web site: [www.msu.edu](http://www.msu.edu)). Therefore, unless authorized by your instructor, you are expected to complete all course assignments, including homework, lab work, quizzes, tests and exams, without assistance from any source. You are expected to develop original work for this course; therefore, you may not submit course work you completed for another course to satisfy the requirements for this course. Also, you are not authorized to use the [www.allmsu.com](http://www.allmsu.com) Web site to complete any course work in NUR 370. Students who violate MSU rules may receive a penalty grade, including--but not limited to--a failing grade on the assignment or in the course. Contact your instructor if you are unsure about the appropriateness of your course work.

**Accommodations for students with disabilities:** Students with disabilities should contact the Resource Center for Persons with Disabilities to establish reasonable accommodations. For an appointment with a disability specialist, call 353-9642 (voice), 355-1293 (TTY), or visit [MyProfile.rcpd.msu.edu](http://MyProfile.rcpd.msu.edu).
Disruptive behavior: Article 2.3.5 of the Academic Freedom Report (AFR) for students at Michigan State University states: "The student's behavior in the classroom shall be conducive to the teaching and learning process for all concerned." Article 2.3.10 of the AFR states that "The student has a right to scholarly relationships with faculty based on mutual trust and civility." General Student Regulation 5.02 states: "No student shall . . . interfere with the functions and services of the University (for example, but not limited to, classes . . .) such that the function or service is obstructed or disrupted. Students whose conduct adversely affects the learning environment in this classroom may be subject to disciplinary action through the Student Faculty Judiciary process.

Attendance: Students whose names do not appear on the official class list for this course may not attend this class. Students who fail to attend the first four class sessions or class by the fifth day of the semester, whichever occurs first, may be dropped from the course. See the Ombudsman’s web site for a discussion of student observance of major religious holidays, student-athlete participation in athletic competition, student participation in university-approved field trips, medical excuses and a dean's drop for students who fail to attend class sessions at the beginning of the semester.

College of Nursing Policies: Professional Development Guidelines found in CON Student Handbooks at CON website http://nursing.msu.edu/BSN%20Programs/Handbooks/default.htm. Students are responsible for the information found in the CON (BSN, MSU or PhD choose one) Student Handbook.
<table>
<thead>
<tr>
<th>Class Dates</th>
<th>Weekly Course Content</th>
<th>Reading Assignments</th>
<th>In-Class Projects (p)</th>
<th>Graded Assignments (a)</th>
</tr>
</thead>
</table>
| Week 1 9/4  | OVERVIEW OF NURSING RESEARCH AND EVIDENCE BASED-PRACTICE  
- Review syllabus & student expectations.  
- Research in an Evidence-Based Practice Environment  
- Human Subject & HIPAA Tutorials. | P & B Ch. 1  
Online Tutorials. | ANGEL orientation (p)  
Selection of research scientist to interview and conduct literature search (p)  
Post in discussion forum (a) |
| Week 2 9/11| OVERVIEW OF NURSING RESEARCH AND EVIDENCE BASED-PRACTICE  
- Evidence-based Nursing: Fundamentals  
- Key Concepts in Qualitative and Quantitative Research  
- Reading and Critiquing Research Reports  
- Ethics in Research | P & B Ch. 2, 3, 4, 5 | Human Subject/HIPAA Tutorial (a) Certificate:  
DUE 9/14 at 12n  
Writing an Annotated Bibliography (p)  
Post in discussion forum (a) |
| Week 3 9/18| FINDING AND CRITIQUING EVIDENCE  
FIELD TRIP MSU MAIN LIBRARY: Heidi Schroeder  
- Literature Reviews: Finding and Critiquing Evidence | | Selection of key words & articles for writing an Annotated Bibliography (p)  
Post in discussion forum (a) |
| Week 4 9/25| PRELIMINARY STEPS IN APPRAISAL OF EVIDENCE  
- Research Problems, Research Questions, and Hypotheses; Literature Reviews, Levels of Evidence & Critiquing; Research, Writing scholarly: using APA format. Theoretical and Conceptual Frameworks | P & B Ch. 6, 7, 8 | Annotated Bibliography (a):  
DUE 9/28 at 12n  
Selection of an article for the Research Critique Paper (p)  
Post in discussion forum (a) |
| Week 5 10/2| DESIGN FOR NURSING RESEARCH  
- Quantitative Research Design  
- Qualitative Designs and Approaches  
- Specific Types of Research  
- Sampling Plans | P & B Ch. 9, 10, 11, 12 | Quiz 1: Levels of Evidence (a)  
Writing a critique of a research article (p)  
Designing research study (p)  
Post in discussion forum (a) |
| Week 6 10/9| DATA COLLECTION  
- Data Collection Methods  
- Measurement and Data Quality | P & B Ch. 13, 14 | Quiz 2: Types of Research (a)  
Conducting data collection (p)  
Title of article for Research Critique Paper: DUE 10/12 at 12n  
Post in discussion forum (a) |
| Week 7 10/16| DATA ANALYSIS AND INTERPRETATION  
- Statistical Analysis of Quantitative Data  
- Rigor and Interpretation in Quantitative Research  
- Trustworthiness and Integrity in Qualitative | P & B Ch. 15, 16, 17 | Interview with Scientist (a):  
DUE 10/19 at 12n  
Quiz 3: Methods & Design (a)  
Developing a Critique of Research Article (p)  
Post in discussion forum (a) |
| Week 8 10/23 | EVALUATING RESEARCH | P & B 26 | Assistance with article and begin draft of Critique of Research Article |
| Week 10 10/30 | A SIMULATED RESEARCH EXPERIENCE | Articles in ANGEL | Draft of Critique of Research Article (p): DUE 11/2 at 12n |
| Week 11 11/6 | A SIMULATED RESEARCH EXPERIENCE | Articles in ANGEL | Critique of Research Article (a): DUE 11/9 at 12n |
| Week 12 11/13 | BUILDING AN EVIDENCE-BASE FOR PRACTICE | P & B Ch. 19 | Draft of Poster: DUE 11/16 at 12n |
| Week 13 11/20 | Class is online to finalize poster and classroom presentation. | | Post in discussion forum (a) |
| Week 14 & 15 11/27 & 12/4 | POSTER PRESENTATIONS | Final Poster (a): DUE 11/27 at 12n | |
| Week 15 12/4 | GRADUATE EDUCATION | Articles in ANGEL | Post in discussion forum (a) |