Clinical Decision Making  
NUR 807: 1 credit Didactic; 2 credits clinical component  
Hybrid class  
Spring 2010

Catalog Course Description: Clinical decision making in advanced practice nursing. Decision theory and related concepts. Application of critical thinking and clinical judgment to differential diagnoses of common primary care conditions.

Course Objectives: At the end of this course, students will:
1. Apply decision theory to formulate differential diagnoses.
2. Analyze the concept of clinical diagnoses in primary care.
3. Analyze the implications of diagnostic decision relative to cost and efficacy within the contemporary health care delivery system.
4. Document a history of present illness (HPI) by using the problem oriented record (POR).

Prerequisites: NUR 805 and (NUR 820 or NUR 850)

Co-requisites: None

Professional Standards & Guidelines: The curriculum is guided by the following documents:

Faculty: Katherine Dontje, PhD, FNP, BC  
Assistant Professor (HP), Course Chairpersons, Clinical Chairperson and Clinical Faculty  
MSU College of Nursing, A207 Life Sciences, East Lansing, MI  48824-1317  
E-mail: dontje@msu.edu  
Note: Times can be arranged to accommodate student schedules.

Mary Jane Cook, MSN, FNP, BC  
Assistant Professor, Clinical Faculty  
MSU College of Nursing, A209 Life Sciences, East Lansing, MI  48824-1317  
E-mail: cookma@msu.edu  
Note: Times can be arranged to accommodate student schedules.

Christy Duffield, MSN, ANP, BC  
Instructor, Clinical Faculty  
MSU College of Nursing, East Lansing, MI  48824-1317  
E-mail: rockafe6@msu.edu  
Note: Times can be arranged to accommodate student schedules.
Kate Lein, MSN, FNP, BC  
Assistant Professor, Clinical Faculty  
MSU College of Nursing, W130 Owen Graduate Center, East Lansing, MI  48824-1317  
E-mail: kate.lein@hc.msu.edu

Note: Times can be arranged to accommodate student schedules.

Mary Samania, MSN, FNP, BC  
Instructor, Clinical Faculty  
MSU College of Nursing, East Lansing, MI  48824-1317  
E-mail: smaniama@msu.edu

Note: Times can be arranged to accommodate student schedules.

Instruction:

a. Required Texts:


b. Optional Texts: The texts below are suggestions for references you need to have a recent nursing diagnosis book, a clinical epidemiology book and a laboratory tests book. If you already have one that can be used that is fine.


c. Required Resources, References, Supplies:

ANGEL Help Line  
1.800.500.1554 (24 hrs, 7 days/week)  
517.355.2345 (24 hrs, 7 days/week)  
[www.angel.msu.edu](http://www.angel.msu.edu) (ANGEL Help link in upper right corner)  
Always check with the ANGEL Help Line first!
Evaluation and Grading Scale:

a. Evaluation of Academic Performance:
   * EBP Scholarly Paper – 25 points (question from clinical, develop a PICO question)
   * Assignments and Case Studies – 50 points
   * LAC experiences – 25 points
   * Final Exam – 50 points

   * Precepted clinical practice hours – graded on a pass-fail basis. Sixty (60) precepted clinical hours in a selected practice setting are to be arranged with the clinical faculty. A maximum of 8 precepted clinical hours may be completed within a one-week time periods. The expectation is that this time will be spread out over the time period of February through April. Clinical hours may be arranged for either 4-hour or 8-hour time blocks. All precepted clinical hours must be completed by April 30, 2009 in order to receive a course grade for NUR 807. See the Course Documents folder in the ANGEL course web site for additional information. You must complete and pass clinical to be successful in the course.

b. Course Grading Scale:
Grades will be determined by adding all of the course activities together and arriving at a specific number (point total). The MSU 4.0 grading system will be utilized to report final course grades.

Points will be rounded to whole numbers using the 0.5 rules. Points at ≥ 0.5 will be rounded up while those < 0.5 will be rounded down to the nearest whole number.

There is no opportunity for “extra credit” in this course.

<table>
<thead>
<tr>
<th>%</th>
<th>GRADE</th>
</tr>
</thead>
<tbody>
<tr>
<td>94 – 100</td>
<td>4.0</td>
</tr>
<tr>
<td>93 - 87</td>
<td>3.5</td>
</tr>
<tr>
<td>86 – 80</td>
<td>3.0</td>
</tr>
<tr>
<td></td>
<td>(Minimum passing grade)</td>
</tr>
<tr>
<td>79 – 75</td>
<td>2.5</td>
</tr>
<tr>
<td>74 – 70</td>
<td>2.0</td>
</tr>
<tr>
<td>69 – 65</td>
<td>1.5</td>
</tr>
<tr>
<td>64 – 604</td>
<td>1.0</td>
</tr>
<tr>
<td>Below 60</td>
<td>0.0</td>
</tr>
</tbody>
</table>
*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 Student handbook  [http://nursing.msu.edu/handbooks.asp](http://nursing.msu.edu/handbooks.asp)
- Information for Current Students—including Rights, Responsibilities and Regulations for Students [http://www.msu.edu/current/index.html](http://www.msu.edu/current/index.html)
- Academic Programs [http://www.reg.msu.edu/UCC/AcademicPrograms.asp](http://www.reg.msu.edu/UCC/AcademicPrograms.asp)
Clinical Decision Making
NUR 807: 1 credit Didactic; 2 credits clinical component
Hybrid class
Spring 2010

Additional Course Content

University Course Description:

- Semester: Spring of every year
- Credits: 1 credit online seminar; 2 credit laboratory (clinical) component
- Restrictions: Open only to master’s students in the College of Nursing
- Description: Clinical decision-making in advanced practice nursing. Decision theory and related concepts. Application of critical thinking and clinical judgment to differential diagnoses of common primary care conditions. NUR 807 is a hybrid course that blends regularly scheduled online instruction with regularly scheduled classroom clinical time.

Additional Course Overview:

NUR 807 is a “bridge” course between the MSN core courses and health assessment taken thus far and the clinical management courses that will be taken following NUR 807. The learning experiences in NUR 807 are intended to foster movement from a focus on gaining theoretical knowledge to the next steps in developing the advanced clinical practice role. To achieve this aim, NUR 807 is offered in a hybrid (blended) format that includes online and in-person instructional components. The theoretical portion of the course is offered primarily online and focuses on the concepts of evidence based practice and clinical decision-making which are needed for making sound clinical decisions.

The clinical portion of the course has both in-person instructional experiences and clinical precepted hours. The clinical hours for this course will provide practice experience in clinical data gathering skills, differential diagnosis, diagnostic reasoning and evidence based practice issues related to primary care issues.

Additional Objectives:

1. Formulate differential diagnosis based on evidence related to nursing and medicine.
2. Critically appraise guidelines based on AGREE criteria
3. Apply the concepts related to evidence based practice to clinical situations.
4. Compose, research question and analyze data related to an identified concern in the Problem/Intervention/Comparison/Outcome (PICO) format.
<table>
<thead>
<tr>
<th>Date</th>
<th>Topic</th>
<th>Activity</th>
<th>Location</th>
<th>Clinical</th>
</tr>
</thead>
<tbody>
<tr>
<td>Module One</td>
<td>Evidence Based Practice and Informatics</td>
<td>On-campus required</td>
<td>Jan. 14th On-campus 9am-4pm</td>
<td>On-campus required</td>
</tr>
<tr>
<td>January 11 – 24th</td>
<td>PICO Differential Diagnoses, Decision Theory, EMR and ST</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Module Two</td>
<td>Test Characteristics S/S, validity and reliability, PPV and NPV</td>
<td>Assignment/ Quiz 1 due on February 7th</td>
<td>Feb 4th On-Campus 9am-4pm AM – EMR content PM – Living Well</td>
<td></td>
</tr>
<tr>
<td>January 25- February 7th -</td>
<td></td>
<td></td>
<td></td>
<td>Clinical Precepted Experience starts after February 1st</td>
</tr>
<tr>
<td>Module Three</td>
<td>Risk Assessment</td>
<td>PICO Assignment #1 due February 8th</td>
<td>On-line</td>
<td></td>
</tr>
<tr>
<td>February 8th February 21st</td>
<td>Likelihood ratio, NNT Integration of materials into clinical setting</td>
<td>Assignment/Quiz 2 due on February 21st</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Module Four</td>
<td>Critical Appraisal of Evidence - Guidelines</td>
<td>On-campus</td>
<td>February 25th LAC AM, Microscopy lab PM</td>
<td>Clinical Documentation # 2 March 1st – 7th</td>
</tr>
<tr>
<td>February 22nd to March 6th</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>March 8– 13th</td>
<td>Spring Break</td>
<td>Spring Break</td>
<td></td>
<td>No clinical this week</td>
</tr>
<tr>
<td>Module Five</td>
<td>Clinical Integration of EBP</td>
<td>On campus required</td>
<td>March 18th On-campus 9am-4pm</td>
<td>Clinical Documentation # 3 March 15th -21st</td>
</tr>
<tr>
<td>March 14 – 28th</td>
<td>Content: Focus on Cardiology Issues EKG/Chest Pain</td>
<td>Assignment/ Quiz 3 due on March 28th</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Module Six</td>
<td>Diagnostics – Laboratory and Radiology</td>
<td>PICO Paper Due on April 11th</td>
<td>On- line</td>
<td>Clinical Documentation #4 March 29th – April 4th</td>
</tr>
<tr>
<td>March 30-April 11th</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Module Seven</td>
<td>Genetics Issues and Screening Issues, (i.e.: mammography, pap, breast and prostate)</td>
<td>Assignment/ Quiz due on April 24th</td>
<td>April 15th On-campus – LAC event –8-12 noon</td>
<td>LAC Experience Graded</td>
</tr>
<tr>
<td>April 12 – 24th</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LAC</td>
<td>Week 15</td>
<td>Ethical, Political and Professional issues for EBP</td>
<td>On-line</td>
<td>Student to send in Final evaluation materials to faculty by April 25th</td>
</tr>
<tr>
<td>April 25 – May 2nd</td>
<td>Discussion</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week 16</td>
<td>Final Exam and Final Clinical Evaluation</td>
<td>Final Exam</td>
<td>Final exam on-line – (Proctored) May 6th 9am -12:00 noon</td>
<td>Clinical Evaluation Arrange with Clinical Faculty</td>
</tr>
<tr>
<td>May 4</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Grading:
Assignments/Quizzes 50
PICO Paper 25
LAC 25
Final Exam 50
Clinical evaluation and cases presentations P/F
Total points 150 points

Clinical experience is pass fail you will need to schedule 60 hours with clinical preceptor between February 1st and April 30th.