NRSG 231.01: Nursing Pharmacology Lab

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Course Description

An integration of lab experiences focusing on the basic principles in providing safe medication administration, including intravenous therapy across diverse populations and the lifespan.

Expected Student Course Outcomes and Objectives

Upon completion of this course, the student will be expected to:

1. Promote an environment conducive to Human Flourishing, characterized by building a relationship with the patient in an effort to maintain human dignity, self-determination and growth, while meeting the healthcare needs of patient characterized by the student being able to:
   a. Demonstrate concepts learned in NRSG 230 in a lab setting.

2. Understand rationale for Nursing Judgments used in planning and providing safe and effective patient care in the role of registered nurse characterized by the student being able to:
   a. Utilize the nursing process in identifying accurate administration of medications, actions, uses, adverse reactions, drug interactions and patient teaching in relation to the role of the registered nurse.
   b. Apply the nursing process in demonstrating safe and effective assessment, administration, and evaluation of medications and influences on body systems.

3. Demonstrate Professional Identity characterized by assessing personal behavior strengths and values affecting one’s identity as a nurse while being responsible for personal actions, performance, and contributions as a member of the health care team.

4. In Spirit of Inquiry, function as a member of multidisciplinary health care team demonstrating the ability to evaluate self and work ethically.

Required Text:

Basic Pharmacology for Nurses 17th Edition
Clayton & Willhnganz

Access to online ATI Nursing Education
www.atitesting.com

Academic Conduct

All Students must practice academic honesty. Academic misconduct, including plagiarism, cheating, and classroom misconduct is subject to an academic penalty by the course instructor(s) and/or a disciplinary sanction by the University. All students need to be familiar with the Student Conduct Code. The Code is available for review online on Moodle or on the University website.
with others in a diverse.

a. Discuss the cultural diversity influences related to medication, including pediatric and geriatric critical thinking to address special issues that exist for those age groups.

Course Policies and Course Evaluation

1. Policies related to attendance, tardiness, class participation, missed examinations or assignments, academic dishonesty, grading, Grade Appeal Procedure, and support services are included in the Nursing Student Handbook. It is the responsibility of each individual student to read and be familiar with the student handbook. You will be required to electronically acknowledge that you have read and understand the student handbook.

2. Course requirements listed must be completed in order to pass the course. A student must have a grade of at least 80% in the didactic portion, in order to receive a passing grade.

3. Regular attendance is expected at each class as part of professional behavior. For online components instructor will review attendance via Moodle. In the event of a student being unable to attend class, prior notification to the faculty is appreciated and requested. Repeated absences from class will affect the student’s professionalism grade.

4. Tests/quizzes are to be taken at the times they are scheduled. In the event a test must be missed, prior notification to faculty member is required. Any quiz/exam missed without prior notification of the instructor will be graded as a “zero”. No makeup exam/quiz will be allowed in this instance. Arrangements will need to be made for testing with faculty member or testing center and will be allowed at the discretion of the instructor. Exams will be held in class or on Moodle at specified times listed in course outline. Unless specifically announced by the instructor, unit test, quizzes or exams are NOT open book or open note tests. Moodle quizzes/exams will be open for 24 hours.

5. If you must miss a lab/class:

A. If you miss one lab/class it is YOUR responsibility to become competent in the skill(s)/knowledge that you were not present to learn. It is an expectation that you gain competence in the skills/knowledge you missed through one of your peers within 7 days of missing the lab/class. You MUST be able to demonstrate competence through a skills check off with your instructor within 7 days of missing lab/class.

B. If you miss two labs/class, a student action plan will be initiated. Missing two labs/classes is considered a very serious risk to your program success. The action plan will require you to complete the requirements in step 1 AND may include additional lab hours as assigned and/or other assignments as necessary to ensure you are competent to move forward in the nursing program.

C. If you miss three labs/classes you will complete all the actions in steps 1 and 2 AND there may be the need for a faculty review to determine if there may be a need to take serious actions of remediation concerning your absences up to and including dismissal from the nursing program.

6. Paperwork Due Dates: Late assignments will only be accepted if the student notifies the instructor before the due date- at the discretion of the instructor. An
assignment that is more than 24 hours late, regardless of prior notification, will have a minimum 10% reduction to the final grade for that assignment.

7. All email correspondence must be made through an official university email account. No private emails will be responded to.

8. File naming protocol: When submitting files online (i.e. assignments) use the following protocol: last name followed by underscore followed by the week followed by short title of document. For example: Sillars_W2_assignment#1

9. Note: Instructor reserves the right to modify syllabi and assignments as needed based on faculty, student, and/or environmental circumstances.

**Recording of Classes:**

Lecture recording is not allowed without prior consent of the instructor. In blended classes or distance learning classes, recorded lectures are not allowed to be re-broadcast in any way and any material discussed, in face to face classes or in on-line discussion groups, is considered confidential. If a student breaks this policy, it will be considered academic misconduct. It is an expectation that students will not share case studies/recorded case studies or recorded lectures with other classes as this is considered cheating and deprives the incoming class of valuable learning experience.

**Students with Disabilities:**

Eligible students with disabilities will receive appropriate accommodations in this course when requested in a timely way. Please speak with me after class or in my office. Please be prepared to provide a letter from your DSS Coordinator and to make appropriate testing arrangements. The University of Montana assures equal access to instruction through collaboration between students with disabilities, instructors, and Disability Services for Students (DSS). “Reasonable” means the University permits no fundamental alterations of academic standards or retroactive modifications. For more information, please consult [http://www.umt.edu/disability](http://www.umt.edu/disability) or call 406-243-2243 (voice/text).

**QSEN:**

QSEN (Quality and Safety Education for Nurses) is being integrated throughout the curriculum. This was initiated in fall 2012 with safety and will continue until all competencies have been integrated. QSEN has evolved from the landmark IOM report “To Err is Human” published in 2000.* The six QSEN competencies are: safety, patient-centered care, teamwork & collaboration, evidenced-based practice, quality improvement, and informatics. There are a total of 162 KSAs (knowledge, skills and attitudes) associated with these six competencies that will be introduced throughout the curriculum. There will be QSEN classroom, clinical and/or simulation assignments that will be address these competencies throughout the semester.

**Methods of instruction:**

Online instruction: ATI learning series & testing
Case studies
Text and Selected reference readings
Lecture and class discussion
Method of Evaluation of Student Learning:

Skills check-offs
ATI learning assessments
Quizzes
QSEN assignments
Professionalism/participation

Breakdown of Grade

<table>
<thead>
<tr>
<th>Component</th>
<th>Points</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weekly Quizzes (10 @ 10 points each)</td>
<td>100</td>
</tr>
<tr>
<td>ATI Assignments (13 @ 10 points each)</td>
<td>130</td>
</tr>
<tr>
<td>Final Exam</td>
<td>40</td>
</tr>
<tr>
<td>Professionalism</td>
<td>5</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>275</strong></td>
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248-275 points = A
220-247 points = B
< 220 points = Not passing

NOTE: In order to successfully complete this course and proceed in the RN program a student must earn a minimum of 80% in NRSG 230 and a minimum 80% in the lab component of the course NRSG 231.
# NRSG 231 NURSING PHARMACOLOGY LAB
## Course Calendar Spring 2018

*Please check Moodle and/or email daily


<table>
<thead>
<tr>
<th>Date</th>
<th>Topic and/or Text Reading</th>
<th>Assignments</th>
</tr>
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<tbody>
<tr>
<td><strong>Week 1:</strong></td>
<td><strong>Introduction</strong>&lt;br&gt;CH 3 (Clayton &amp; Willihnganz)&lt;br&gt;<strong>Drug Action Across Life Span</strong></td>
<td>Submit Syllabus Confirmation Statement in Moodle by 1000 on Wednesday January 31st</td>
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<tr>
<td><strong>Week 2:</strong></td>
<td><strong>CH 6 (Clayton &amp; Willihnganz)</strong>&lt;br&gt;<strong>Principles of Med Administration and Safety</strong>&lt;br&gt;Also read pages 833-835 (Med Administration) in your Fundamentals book (Yoost &amp; Crawford)&lt;br&gt;<strong>Quiz in lab Wednesday, Jan 31st</strong></td>
<td><strong>ATI Dosage Calculation Lessons:</strong>&lt;br&gt;Safe Dosage and Med Administration&lt;br&gt;DUE 1/30/18 at 0800&lt;br&gt;&lt;br&gt;<strong>Quiz 1</strong></td>
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<td><strong>Week 3:</strong></td>
<td><strong>CH 8 (Clayton &amp; Willihnganz)</strong>&lt;br&gt;<strong>Enteral Administration</strong>&lt;br&gt;Also read pages 847-852 Yoost &amp; Crawford&lt;br&gt;<strong>Quiz in lab Wednesday, Feb 7th</strong></td>
<td><strong>ATI Dosage Calculation Lesson:</strong>&lt;br&gt;Oral Medications&lt;br&gt;Due 2/6/18 at 0800&lt;br&gt;&lt;br&gt;<strong>Quiz 2</strong></td>
</tr>
<tr>
<td><strong>Week 4:</strong></td>
<td><strong>CH 9 (Clayton &amp; Willihnganz)</strong>&lt;br&gt;<strong>Parenteral Admin: Safe Preparation</strong>&lt;br&gt;Also read pages 838-843 and 859-869 in Yoost &amp; Crawford&lt;br&gt;<strong>Quiz in lab Wednesday, Feb 14th</strong></td>
<td><strong>ATI Skills Module:</strong>&lt;br&gt;Medication Administration 1&lt;br&gt;DUE 2/13/18 by 0800&lt;br&gt;&lt;br&gt;<strong>Quiz 3</strong></td>
</tr>
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<td><strong>Week 5:</strong></td>
<td><strong>CH 10 (Clayton &amp; Willihnganz)</strong>&lt;br&gt;<strong>Parenteral Administration: Intradermal, Subcutaneous &amp; IM</strong>&lt;br&gt;Also read pages 870-876 in Yoost &amp; Crawford&lt;br&gt;Flu Vaccine Lecture&lt;br&gt;<strong>Quiz in lab Wednesday, Feb 2</strong></td>
<td><strong>ATI Dosage Calculations Lessons:</strong>&lt;br&gt;Injectable &amp; Powered Medications&lt;br&gt;DUE 2/20/18 by 0800&lt;br&gt;&lt;br&gt;<strong>Quiz 4</strong></td>
</tr>
<tr>
<td><strong>Week 6:</strong></td>
<td><strong>Activity TBA on Tuesday- No Lab Wednesday</strong></td>
<td><strong>ATI Skills Modules:</strong>&lt;br&gt;Medication Administration 3&lt;br&gt;Due 2/27/18 by 0800</td>
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</tbody>
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| Week 7 | CH 11 (Clayton & Willihnganz) Pages 143-152 | **ATI Dosage Calculation Lessons:**  
1) IV meds  
2) IV Therapy  
**DUE 3/6/18 by 0800**  
**Quiz 5** |
| Week 7: Parenteral Administration: IV Also read page 844; pages 877-880 in Yoost & Crawford Quiz in lab Wednesday, Feb 28th |
| Week 8 | CH 11 (Clayton & Willihnganz) Pages 152-170 | **ATI Skills Modules:**  
Central Venous Access Devices  
**DUE 3/13/18 by 0800**  
**Quiz 6** |
| Week 8: Parenteral Administration: IV insertion; Central Lines Also read pages 1014-1024 in Yoost & Crawford Cadaver lab?/IV insertion Quiz in lab Wednesday, March 7th |
| Week 9 | Read pages 1025-1030 in Yoost & Crawford Blood Administration Practice IV insertion Quiz in lab Wednesday, March 21st | **ATI Skills Modules:**  
Blood Administration  
**DUE 3/20/18 by 0800**  
**Quiz 7** |
| Week 10 | **SPRING BREAK** | **ATI Skills Module:**  
Medication Administration 4  
**Due 3/27/18 by 0800**  
**Quiz 7** |
| Week 11 | CH 7 (Clayton & Willihnganz) Percutaneous Administration Quiz in lab Wednesday, April 4 | **ATI Dosage Calculation Lessons:**  
1) Dosages by Weight  
2) Pediatric meds  
**DUE 4/3/18 by 0800**  
**Quiz 8** |
| Week 11: Hypertension, Angina Pectoris, Heart Failure and Diuresis Drugs |
| Week 12 | Chapter 22, 24, 27, 28 (Clayton & Willihnganz) Hypertension, Angina Pectoris, Heart Failure and Diuresis Drugs | OPEN LAB/SKILLS PRACTICE |
| Week 13 | CH 46 (Clayton & Willihnganz) Nutrition Quiz in lab Wednesday, April 18th | **ATI Skills Modules:**  
Medication Administration 2  
**Due 4/17/18 by 0800**  
**Quiz 9** |
| Week 13: |
| Week 14 | CH 47 (Clayton & Willihnganz) Herbal & Dietary Supplements Quiz in lab Wednesday, April 25th | Quiz 10 |
| Week 14: |
| Week 15 | FINALS WEEK Final in lab May 1st | Final May 1st 2018 130-330 |

*NOTE: Instructor reserves the right to modify calendar and assignments, as needed based on faculty, student and/or environmental circumstances*