



**St. Luke's Hospital School of Nursing
at Moravian College
Bethlehem, Pennsylvania**



**Nursing 331.2: Pharmacology I
Fall Semester 2012 Junior Level (revised 8.28.12)**

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Office Hours: As posted at office and by appointment

Class: Wednesday 7:30-8:40, Friday (problem solving session) 7:30-8:40 **PPHAC 101**

Course Description:

This nursing course exams the pharmacological process utilized by nurses including knowledge of medications, administration of medications, and medication calculations in patients throughout the lifespan. Pharmacological issues, over the counter medications, and herbal medication use will be examined. Reactions, compliancy, and other patient responses to pharmacological therapies will be discussed. This course will be built upon prior nursing knowledge and coordinate with current required nursing courses.

Course Objectives:

1. Examine the pharmacological process utilized in the safe administration of medications to clients.
2. Explore pharmacological issues related to client care.
3. Analyze ethical and legal principles associated with medication administration.

Course Credits/Unit/Hours

Course Units: 0.5

Theory Hours: 1.5

Prerequisites: All required sciences; all required nursing courses (NURS 115, 212, 311); **Co-requisites:** NURS 310, 312)

Required Textbooks

ATI Products.

Karch, A. M, (2011). *Focus on nursing pharmacology*. Philadelphia: Lippincott Williams & Wilkins.

Karch, A. M. (2011). *Study guide for focus on nursing pharmacology (5th ed.)*. Philadelphia: Lippincott Williams & Wilkins.

Additional readings as announced.

Required Supplements:

Iclicker™ v6.1 Student Response System (available for purchase at the Moravian College Bookstore register). I-clickers are required for all students and will be used during class time. Students are required to bring their I-clickers to class with them. It is the student's responsibility to make sure that the I-clicker is working and that battery life is sufficient. I-clickers will be used in several ways to:

- Monitor Attendance.
- Serve as a method for in-class quizzing. Two to five random questions will be asked during class times that supports course readings. These 'quiz' questions will be scored and used towards the participation grade. Each student who answers a question will receive 1 point; 2 points will be awarded for each correct answer.
- Ask 'On the fly' questions. This is a way to actively participate in classroom learning. No points will be awarded for these questions.
- Poll the audience by 'survey'. These questions are not graded but will serve as a method for polling content understanding.

Course Requirements:

Classroom attendance is necessary to promote the learning of the theoretical component of the curriculum and to enrich and expand the application of the clinical learning process. Students are expected to attend all classroom activities. An instructor may lower a student's grade because of a class absence. If absences occur, it is the student's responsibility to make up whatever work has been missed. Permission to make up assignments, quizzes, and periodic tests may be granted at the discretion of the instructor. Authorization to make up a final examination is given only by the Office of Academic Affairs.

If unable to attend a class, please contact the course faculty 30 minutes **prior** to class session to be missed or immediately after the class session via phone or email. Students are responsible for obtaining any notes, handouts, or other class items from classmates. Tardiness is a distraction to the class and will not be tolerated. Students are expected to arrive promptly and engage fully in the class.

Plagiarism is the intentional use of another's words or ideas as your own. Plagiarism can range from using another individual's direct words or changing the words slightly (paraphrasing) without the appropriate citation and purchasing a paper from the Internet or a professional writing service. Evidence of plagiarism or academic dishonesty will be handled according to the policy on academic honesty established by Moravian College. Copies of the academic honesty policy are available in the nursing department.

Statement for Disability Support: Students who wish to request accommodations in this class for a disability should contact Elaine Mara, assistant director of learning services for academic and disability support at 1307 Main Street, or by calling 610-861-1510. Accommodations cannot be provided until authorization is received from the Academic Support Center.

Methods of Evaluation:

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|----------------------------------|-----|
| 1. Four exams | 60% |
| 2. Pharmacology case studies* | 10% |
| 3. Medication Calculation Exam | 10% |
| 4. Quizzes, I-clicker activities | 2% |
| 5. Final Exam | 18% |

** The Moravian College nursing program is accredited by the Commission on Collegiate Nursing Education. As part of the accreditation process the program must provide evidence of assignments completed by students. Any of the methods of evaluation used in this course, may be used as evidence of student assignments during the accreditation process.

Nursing 331.2 supports each student’s development based on the core components:

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| <u>Community</u> Individual, Vulnerable Populations, Health Care Economics | <u>Holism</u> Health Promotion | <u>Inquiry</u> Assessment Critical Thinking | <u>Professionalism</u> Accountability Communication Advocate, Educator |
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Grading Policy:

1. Papers must be prepared according to APA style.
2. Assignments are expected on or before their due dates. Five points per day will be deducted from the grade if assignments are handed in late. The grading scale is as follows:

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|------------|------------|------------|
| A = 93-100 | B- = 80-82 | D+ = 67-69 |
| A- = 90-92 | C+ = 77-79 | D = 63-66 |
| B+ = 87-89 | C = 73-76 | D- = 60-62 |
| B = 83-86 | C- = 70-72 | F =<60 |

Please note that it within the instructor’s purview to apply qualitative judgment in determining grades for any assignments and for the course final grade.

Please note while the instructor will try to hold to the flow of the course outline, it may change over the course of the semester. Students will receive notification of syllabus changes in class or through electronic communication.

| Week | Topic | Readings (text and workbook chapters) | Assignments/Exams Friday Schedule |
|---------------------------------|---|--|--|
| Week 1: 8/29/12 8/31/12 | Course introduction, drugs and the body, toxic effects | Chapters 1, 2, 3 ATI- Chapters 1, 2 | |
| Week 2: 9/5/12 9/7/12 | Nursing process, calculations | Chapters 4, 5 ATI- Chapters 3, 4 | Exam 1 Friday 9/7/12 |
| Week 3: 9/12/12 9/14/12 | Transcultural & Genetic Challenges to effective therapy Hypothalamic & pituitary, Adrenocortical | Chapters 6, (34), 35, 36 ATI- Unit 11 | |
| Week 4: 9/19/12 9/21/12 | Thyroid/antithyroid, antidiabetic agent | Chapters 37, 38 ATI- Unit 11 | Friday- Student Case Presentations (4) |
| Week 5: 9/26/12 9/28/12 | Cardiotonic, antiarrhythmic, antianginals | Chapters (42), 44, 45, 46 ATI- Unit 6 (265-280) | Exam 2 Friday 9/28/12 |
| Week 6: 10/3/12 10/5/12 | Antihypertensives, diuretics, | Chapters 43, (50), 51 ATI- Unit 6 (245-264), Unit 9 (377-385) | Friday- Student Case Presentations (4) |
| Week 7: 10/10/12 10/12/12 | Blood coagulation, lipid lowering agents | Chapters 47, 48 ATI- Unit 6 (281-289), Unit 7 (298-310) | Friday- Student Case Presentations (4) |
| Week 8: 10/17/12 10/19/12 | Antineoplastic agents | Chapters 43 | Exam 3 Friday 10/19/12 |

| Week | Topic | Readings (text and workbook chapters) | Assignments/Exams Friday Schedule |
|----------------------------------|---|---|--|
| Week 9: 10/24/12 10/26/12 | Biologic response modifiers, anemia | Chapters 17, 49 ATI- Unit 7 (311-329) | Friday- Student Case Presentations (4) |
| Sipple Lecture | Wednesday 10/24/12 5:30 PM Foy Hall Mandatory Attendance | Sustainable Change: Health Equity Promotion through Active Community Engagement” | Bridgette M. Brawner, PhD, APRN |
| Week 10: 10/31/12 11/2/12 | Vitamin & mineral replacement, F&E | Appendices A, D, E ATI- Unit 9 (386-395) | No class |
| Week 11: 11/7/12 11/9/12 | GI secretions, motility, anti-emetics | Chapters (56), 57, 58, 59 ATI- Unit 10 | Exam 4 Friday 11/9/12 |
| Week 12: 11/14/12 11/16/12 | Disorders of eye & ear | Appendix C | Calculation Exam Friday 11/16/12 |
| Week 13: 11/21/12 11/23/12 | OFF | | OFF |
| Week 14: 11/28/12 11/30/12 | Child bearing women (Guest Lecturer- Professor Grube) | Chapter 40 ATI- Unit | |
| Week 15: 12/5/12 | Final Exam Review | | |
| Final Exam | Thursday 12/13/12 1:30 PM | | |