

**COURSE NO:** NURS 532

**COURSE TITLE:** Advanced Pharmacology

**CREDIT HOURS:** Three

**SEMESTER:** Spring 2016

**CONTACT HOURS:** Three hours of lecture weekly

**INSTRUCTOR:** Peter Hlavinka, PharmD, BCPS  
[hlavinkap@moravian.edu](mailto:hlavinkap@moravian.edu)

**CLASSROOM:** Moravian College, PPHAC Room 235

**TEXTBOOKS:**

Woo, T. M. & Robinson, M. (2015). *Pharmacotherapeutics for Nurse Practitioner Prescribers (4<sup>rd</sup> ed.)*. Philadelphia: F. A. Davis

Additional readings as announced.

**PREREQUISITES:** None

**COURSE DESCRIPTION:**

This course provides students an overview of advanced pharmacological concepts including pharmacokinetics, pharmacodynamics, and prototype drugs. Students learn major drug categories and concepts important to assure the safe prescription and use of drugs

**COURSE OBJECTIVES:**

At the conclusion of this course, the student will be able to:

1. Describe the pharmacotherapeutics of drugs that are commonly used to treat common illnesses and prevent common diseases.
2. Identify the relationship between pathophysiological conditions and the selection of specific agents used to treat them.
3. Synthesize information derived from clinical case studies to identify best agents indicated to treat patients with a variety of chief complaints, relevant clinical data and risk factors, and comorbid conditions.

### **DEPARTMENT OF NURSING: ETHOS STATEMENT**

Grounded in local and global partnerships, nursing at Moravian blends compassionate art with scientific inquiry to achieve a transformative education deeply rooted in a rich liberal arts tradition. At its core the program seeks to develop students who are acutely aware of the world in which they live and their responsibilities of living in a global, inter-dependent community. The program cultivates a professional nurse graduate who values lifelong learning and service to others within a framework of social justice.

### **TEACHING METHODS:**

Lecture, discussion, select audiovisuals

### **COURSE REQUIREMENTS:**

1. 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.
2. 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.
3. 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.
4. **Comenius Center Syllabus Statement Students with Disabilities:**  
Students who wish to request accommodations in this class for a disability should contact the Academic Support Center, located on the first floor of Monocacy Hall (610 861-1401). Accommodations cannot be provided until authorization is received from the Academic Support Center.

**EVALUATION:**

## Examinations:

Unit (4- 22.5% each)	90%
Weekly assignments:	5%
Attendance	5%

Course grades are based on the following numerical equivalencies:

A = 93-100	C = 73-76.99
A- = 90-92.99	C- = 70-72.99
B+ = 87-89.99	D+ = 67-69.99
B = 83-86.99	D = 64-66.99
B- = 80-82.99	D- = 60-63.99
C+ = 77-79.99	F = Below 64

The examinations will be administered in a “Blackboard” format at designated times. The students must adhere to the requirements to take the test at some time during the days that it is available. Students are “on their honor” while testing, and are expected to take each exam without consulting peers, other knowledgeable persons, etc... There are no makeup assignments, and the faculty reserves the right to fail a student that misses an examination for all but verifiable health emergencies.

\*\* 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.

**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**

## COURSE OUTLINE

Week	Topic	Readings Chapters: Woo & Robinson	Notes
Week 1: 1/27/2016	Introduction, principles of pharmacology, adverse reactions, interactions. Eye, ear skin care.	1, 2, 5, 8, 9, 13, 23, 26, 46	
Week 2: 2/3/2016	Infectious diseases/Immunology	19, 24, 44, 47	
<b>EXAM 1 2/12/2016 00:01 – 2/15/2016 23:59</b>			
Week 3: 2/17/2016	Nervous system disorders	14, 15, 29, 52	
Week 4: 2/24/2016	Cardiovascular/Renal disorders	16, 28, 36, 39, 40	
<b>EXAM 2 3/4/2016 00:01 – 3/7/2016 23:59</b>			
Week 5: 3/16/2016	Respiratory disorders	17, 30, 42, 43, 45	<b>Spring Break 3/5-3/14</b>
Week 6: 3/23/2016	Gastrointestinal disorders/hematology	18, 20, 27, 34	
<b>EXAM 3 4/1/2016 00:01 – 4/4/2016 23:59</b>			
Week 7: 4/6/2016	Endocrinology/ Inflammation	21, 25, 33, 41	
Week 8: 4/13/2016	Special population	22, 38, 48, 49, 50, 51	
4/27/2016	Practical prescribing/Ethical considerations		<b>5/2-5/7 Final Exams</b>
<b>EXAM 4 4/29/2016 00:01 – 5/2/2016 23:59</b>			