

**Pharmacology for Nurses****NUR 400 Section 734****3 CREDITS****On-Line****Spring 2009**

**Catalog Course Description:** Principles of nursing management in drug therapy, drug classifications and patient-related variables. Assessment and evaluation of patient responses in relation to health, age, lifestyle, gender, ethnicity and other cultural factors.

**Course Objectives:** At the end of this course, students will:

1. Define pharmacodynamics.
2. Explain the significance of drug classifications.
3. Evaluate the nursing management of drug therapy.
4. Explain strategies for maximizing therapeutic effects of drug therapy and minimizing adverse effects in drug therapy.
5. Define polypharmacy and its relevance in managing drug therapy in older adults.
6. Describe the effects of health, age, lifestyle, gender, ethnicity and culture on drug therapy.
7. Describe the intent, scope, and benefits of drug standards and legislation.

**Prerequisites:** NUR 313 and NUR 310 and NUR 341. Admission to RN-BSN program or permission of instructor.

**Co-requisites:** None

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

American Association of Colleges of Nursing (2008). *The essentials of baccalaureate education for professional nursing practice*. Washington, DC: Author.

American Nurses Association (2001). *Code of ethics for nurses with interpretive statements*. Washington, DC: Author ISBN 1-55810-176-4

American Nurses Association (2004). *Nursing: Scope and standards of practice*. Washington, DC: Author ISBN 1-55810-215-9

American Nurses Association (2003). *Nursing's social policy statement (2nd ed.)*. Washington, DC: Author ISBN 1-55810-214-0

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## Required Texts and Resources:

b. Required Texts:

American Psychological Association. (2001). *Publication manual of the American Psychological Association* (5<sup>th</sup> ed.). Washington, DC: Author

Lehne (2007). *Pharmacology for Nursing Care* (6<sup>th</sup> ed.), St. Louis, MO: Saunders Elsevier.

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!

## Instructional Model

This is an on-line course that includes textbook reading, multiple choice quizzes, case studies, research postings related to new medications, and multiple choice examinations.

## Grading:

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

%	GRADE
94%-100%	4.0
89%-93%	3.5
84%-88%	3.0
79%-83%	2.5
75%-78%	2.0 (Minimum passing grade)
70%-74%	1.5
65%-69%	1.0
<64%	0.0

“Final Course Grades will not be rounded”

Grades will be based on the following criteria:

1.	Introduction to self	5 points
2.	Online engagement	30 points
3.	Quizzes	60 points
4.	Case studies	70 points
5.	Midterm Exam	50 points
6.	Paper	25 points
7.	Final Exam	60 points
	Total	300 points

\* A minimum of 2.0 is required by the College of Nursing.

## **Attendance**

It is expected that all quizzes, case studies, research postings and exams will be completed on due dates. Student will receive a zero if assignment is late without permission from instructor.

## **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>
- MSU Spartan Life Student Handbook and Resource Guide  
<http://www.vps.msu.edu/SpLife/index.htm>
- Information for Current Students—including Rights, Responsibilities and Regulations for Students <http://www.msu.edu/current/index.html>
- Academic Programs <http://www.reg.msu.edu/UCC/AcademicPrograms.asp>

## Pharmacology for Nurses

NUR 400 Section 734

3 CREDITS

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### Additional Course Description

This 3 credit on-line course focuses on the principles of nursing management in drug therapy along with the basics of core drug knowledge and patient-related variables. Nursing implications are a major focus of the weekly assignments, and evidence based treatment guidelines are strongly emphasized in the textbook. In addition, course content and activities strengthen assessment and evaluation skills related to ensure patient safety and responses that change in accordance with health, age, lifestyle, gender and other factors.

### Additional Course Objectives

At the end of this course students will:

1. Define pharmacodynamics, pharmacogenomics, and pharmacokinetics
2. Apply knowledge of pharmacology to nursing practice
3. Establish a knowledge base in the basic science of drugs
4. Explain the significance of drug classifications
5. Describe drug prototypes
6. Discuss how to evaluate drug therapy and its nursing management
7. Explain strategies for maximizing therapeutic effects of drug therapy and minimizing adverse effects in drug therapy
8. Define multiple drug prescriptions and its relevance in managing drug therapy in older adults
9. Describe why it is important to assess a patient's culture when managing drug therapy
10. Describe the intent, scope and benefits of drug standards and legislation

### Instructional Model

This is an on-line course that includes textbook reading, multiple choice quizzes, case studies, research postings related to new medications, and multiple choice examinations.

### Attendance

It is expected that all quizzes, case studies, postings and exams will be completed on due dates. Student will receive a zero if assignment is late without permission from instructor.

### Communication

All students are expected to check Angel for course information. E-mail is for the sole purpose of conveying constructive, positive course and nursing information. Any student utilizing this service to convey personal opinion, pass on chain letters, or advertise will be reported to the Director of the Office of Student Services and the Associate Dean for Academic Affairs and dealt with on an individual basis. Inappropriate use may result in the individual being removed from the class list, and any other actions determined necessary by the Course Chairperson and College of Nursing administrators.

## Student Faculty Relationship

It is expected that a professional, courteous, positive demeanor will be exhibited to peers, faculty and College of Nursing staff with each encounter. Students may email or phone instructor to arrange an appointment to discuss course issues.

### University Policies

**Academic integrity:** Please read each part of the following site to fully understand your responsibilities and the position of the University regarding:

- Cheating
- Plagiarism
- MSU regulations, ordinances and policies regarding academic honesty and integrity
- Academic Integrity links

<http://www.msu.edu/unit/ombud/honestylinks.html>

*Academic dishonesty in any form will not be tolerated in the College of Nursing.* Any student involved in academic dishonesty will be reported to the Office of Academic Affairs and the Office of Student Support Services in the College of Nursing and a grade of 0.0 may be issued for the course.

Lectures, quizzes and examinations must remain the property of the College of Nursing and must not be copied from the internet. According to university policy, consequences for academic dishonesty may include failure of the course, expulsion from the major, or expulsion from the university.

Online discussions and exercises are confidential and should not be discussed with others who are not enrolled in the class. It is important for each course participant to express his/her ideas. All ideas need to be respected in discussions and exercises. Any "group projects" that are required, still require individual work as a minimal expectation.

Article 2.3.3 of the [Academic Freedom Report](#) 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](#) 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 400. 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 regarding Professional Development Guidelines [found in CON Student Handbooks at CON website]. Students are responsible for the information found in the BSN CON Student Handbook.

**Course Calendar:** The course schedule and calendar will be available on Angel on the first day of class. The following is a tentative schedule:

Week 1-7:	Weekly reading assignments; quizzes, case studies, online activities
Week 8:	Midterm Exam
Week 9:	Spring Break
Week 10-15:	Weekly reading assignments; quizzes, case studies, online activities, Paper
Week 16:	Final Exam