

**NURS XXX
COURSE SYLLABUS
Fall/Spring/Summer
20XX**

(* Indicates a Minimum Standards requirement)

_____ UNIVERSITY
DEPARTMENT OF NURSING

SCHOOL: Health Sciences

DEPARTMENT: Nursing

COURSE TITLE: Pharmacology in Nursing

COURSE CIP NUMBER: 18.1120-305

CREDIT: * 3 Credit Hours – lecture
(3 – 50 minute lecture class sessions per week)

PREPARED BY: _____

DATE APPROVED BY DEPARTMENT: September 15, 2000; August 21, 2003;
December 2, 2003; October 18, 2006

SIGNATURE: _____
Director of Nursing

***COURSE DESCRIPTION FOR CATALOG**

NURS 305 (Fall) 3 hrs. credit *
Pharmacology in Nursing

This course is designed to introduce the nursing student to essentials of basic and clinical pharmacology in preparation for application with patient populations in a clinical setting. The student will focus on the commonalities of drug classifications related to the physiologic systems of clients during the life span. Concurrent and subsequent courses will provide opportunity for clinical application of principles of pharmacology taught in this course.

Pre- or Co-requisite: Admission to the nursing program. Concurrent enrollment in NURS 310 and 320.

(RN's: Concurrent enrollment in Transitions (NURS 301) is required).

***OBJECTIVES**

1. Discuss the physiologic principles of drug action, including pharmacokinetic and pharmacodynamic phases.
2. Practice dosage calculations to ensure correct medication administration.

3. Identify historical, political, sociocultural, economic, legal and ethical aspects of drug therapy.
4. Identify transcultural considerations related to drug therapy.
5. Describe developmental influences on the effects of drug action.
6. Evaluate similarities and differences of drugs within each classification.
7. Identify clinical effect anticipated for each drug classification.
8. Discuss adverse reactions and side effects of each drug classification.
9. Identify major drug interaction categories that can affect system stability.
10. Describe the role and effect of over-the-counter drugs in relation to prescription drugs.
11. Assess the use and effects of herbs and nutritional supplements on client's drug regimen.
12. Describe complementary therapies and their effect on medication usage.
13. Discuss important information in educating the client regarding medication regimen.
14. Discuss issues related to the impaired nurse and his/her responsibility to clients and the nursing profession.

COURSE OUTLINE

Lecture:

1. Introduction to pharmacology
2. Principles of drug administration
3. Transcultural considerations
4. Herbal therapy & over the counter drug use in relation to prescriptive drugs
5. Nutrition and electrolytes
6. Drugs affecting the autonomic and central nervous systems, and musculoskeletal system
7. Anti-inflammatory and anti-infective drugs
8. Drugs affecting the respiratory system
9. Drugs affecting the cardiovascular system
10. Drugs affecting the gastrointestinal system
11. Drugs affecting the endocrine system

12. Antineoplastic drugs
13. Drugs used to treat disorders of the ear, eye, skin, and urinary system
14. Drugs affecting the reproductive systems of males and females
15. Drugs affecting other body systems and miscellaneous agents

TEXT

Rental:

Clayton, B. D., Stock, Y. N., & Cooper, S. E. (2010). *Basic pharmacology for nurses* (15th ed.). St. Louis: Mosby.

Purchase:

American Psychological Association. (2010). *Publication manual of the American Psychological Association* (6th ed.). Washington, D.C.: American Psychological Association.

Clayton, B. D., Stock, Y. N., & Cooper, S. E. (2010). *Study guide for Basic Pharmacology for Nurses* (15th ed.). St. Louis: Mosby

Turkoski, B. B. (Ed.). (2013). *Drug information handbook for nursing*. (15th ed.). Hudson, OH: Lexi-Comp.

REFERENCES AVAILABLE IN THE LIBRARY

Card catalog access via internet address: <http://swan.missouri.edu>

Journals:

American Journal of Nursing

Nursing

Books:

Asperheim, M. K. (2002). *Pharmacology: An introductory text*. Philadelphia: Saunders.

Hodgson, B. B., Kizior, R. J. & Kingdon, R. T. (2005). *Nurse's drug handbook*. Philadelphia: Saunders.

Kee, J. L. (2005). *Pharmacology: A nursing process approach*. Philadelphia: Saunders.

McKenry, L. M. & Salerno, E. (2001). *Mosby's pharmacology in nursing*. St. Louis: Mosby.

Reiss, B. S. (2002). *Pharmacological aspects of nursing care*. Albany, NY: Delmar.

Rice, J. & Skelley, E. G. (2000). *Medications and mathematics for the nurse*. Albany, NY: Delmar Publishers.

Spencer, R. T. (2001). *Clinical pharmacology and nursing management*. Philadelphia: Lippincott.

Terry, J., Baranowski, L., Hedrick, C. & Lonsway, R. A. (2002). *Intravenous therapy: Clinical principles and practices*. Philadelphia: Saunders.

Williams, B. R. & Baer, C. L. (2000). *Essentials of clinical pharmacology in nursing*. Springhouse, PA. Springhouse.

***TEACHING LEARNING STRATEGIES/PROCEDURES**

Lecture, audio-visuals, small group discussion, case studies, student presentations and written projects will be utilized.

***EVALUATION**

1. Unit Exams and/or Quizzes
2. Comprehensive Final Examination
3. Teaching-Learning Project
4. Student Learning Guide
5. Annotated Bibliographies

There are 400 total points possible:

Unit exams and/or quizzes	300
Comprehensive Final Exam	<u>100</u>
	400

All of the following assignments are required work, and must be completed with "satisfactory" evaluation. Assignments are evaluated as satisfactory/unsatisfactory (S or U) by the instructor:

- Three annotated bibliographies
- Teaching-Learning Project
- Student Learning Guide

GRADING SCALE

The department has the following grading scale:

A	92 - 100
B	83 - 91
C	75 - 82
D	70 - 74
F	69 or below

*Course Policies / Requirements:

- A. Refer to the 2013-2014 *Department of nursing student handbook* concerning classroom grading and attendance policy
- B. **Attendance Policy:** Attendance and participation in classroom assignments/activities is expected due to the complex nature of material covered.
- C. **Test-Taking Policy:** Daily quizzes **CANNOT** be made up. A major test **MAY NOT** be made up unless the instructor is notified of illness or emergency prior the test and must be taken on the first day returning to class. A student who has had a make-up examination during the semester will have 5% (rounded to points) deducted on any additional make-up examinations.
- D. **Tardiness Policy:** Students who arrive after the class has started will not be permitted to take quizzes. For repeated (more than one time) tardiness to class, 5% will be deducted from the final grade.
- E. **Written Assignments:** Must be submitted at the beginning of class on the date due to earn points.

Registered nurse students may complete a departmental challenge exam for course credit prior to the Fall semester. A fee is assessed for this exam.

AMERICANS WITH DISABILITIES (ADA) STATEMENT

If you are an individual with a disability and require an accommodation for this class, please notify the instructor or the Disabilities Coordinator at the Student Success Center.

ACADEMIC INTEGRITY STATEMENT

_____ University is committed to academic integrity and expects all members of the university community to accept shared responsibility for maintaining academic integrity. Students in this course are subject to the provisions of the university's Academic Integrity Policy, published in the Student Handbook. Penalties for academic misconduct in this course may include a failing grade on the assignment, a failing grade in the course, or any other course-related sanction the instructor determines to be appropriate. Continued enrollment in the course affirms a student's acceptance of the university policy.

Approved by Curriculum Committee Fall 2000, Spring 2007, Fall 2012
Approved by Nursing Department Council 9-15-00

SAMPLE