

The University of Kansas
School of Nursing
Spring, 2007

COURSE: NRSNG 813 APPLIED DRUG THERAPY

CREDIT HOURS: 3

PREREQUISITES: NRSNG 810/811, NRSNG 812, or consent of instructor

INSTRUCTOR: Michael Oszko, Pharm. D., BCPS, FASHP
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COURSE DESCRIPTION:

The clinical application of specific categories of drugs, commonly encountered in primary care settings is discussed. The use of protocols, prescription writing, and the ethical/legal, and economic issues surrounding the advanced nurses' role in prescribing and monitoring pharmacologic therapies in the ambulatory setting are explained. Factors such as age appropriate content related to pharmacokinetics, dosages, expected outcomes, and side effects of the drugs are discussed. First line versus second line drugs, alternate drugs, drug interactions, adjusting drug dosages, patient education, and compliance issues related to drug therapy are addressed. The nurse's role and responsibility related to data collection, problem identification, and consultation with the physician and pharmacist is explored. Application is made through age appropriate case studies.

This is NOT an introductory pharmacology class! This course assumes that you have a basic understanding of pathophysiology, physical assessment, pharmacology, and pharmacokinetics. Experience with administering and monitoring drug therapy will be helpful. In addition, although anecdotal approaches to drug therapy are an established component of the practice of medicine, the information presented in this course will be based largely on the most current scientific evidence and standards of practice.

COURSE OBJECTIVES:

Upon completion of this course you will be able to:

1. Discuss appropriate drug therapy and drug product selection for treatment of specific health problems in the ambulatory setting.
2. Describe your responsibility in prescribing and monitoring pharmacologic therapies in patients across the lifespan.
3. Analyze ethical and legal issues incumbent on the nurse who prescribes drug therapy.
4. Discuss economic issues related to drug therapy, especially for patients on long term drug therapy.
5. Evaluate internal and external environmental factors influencing the efficacy of specific pharmacologic therapies.
6. Examine issues related to patient compliance/adherence to drug therapy.

REQUIRED TEXTBOOKS:

The required textbook this semester is:

Drug Facts and Comparisons, Pocket Version, Tenth Edition, 2007.

In addition to the textbook, handouts will be made available in class and will also be available for downloading from the [Web site](#) for this course.

METHODOLOGY:

Lecture, Discussion of Case Studies, Homework Assignments

EVALUATION:

During the semester, you will be given a total of 13 homework assignments. Each assignment is worth 25 points. You will have the opportunity to drop one assignment. (Total points = 300)

GRADING SCALE:

270-300 (90-100%)	A
240-269 (80-89%)	B
210-239 (70-79%)	C
180-209 (60-69%)	D
< 180 (< 60%)	F

PROFESSIONAL INTEGRITY SYSTEM (PROFITS):

PROFITS upholds behaviors reflective of individual responsibility, mutual trust, and professional values and standards. PROFITS values an academic environment free of academic misconduct or abuse of academic resources. This course subscribes to the principles of PROFITS.

ADA STATEMENT:

Learning assistance, academic performance enhancement, and psychological services at KUMC are free, confidential, and available at Student Counseling & Educational Support Services by calling 913-588-6580 or visiting G116 Student Center.

Any student in this course who needs an accommodation because of a disability in order to complete the course requirements should contact the instructor or the Equal Opportunity/ Disability Specialist (913-588-7813, TDD 913-588-7963) as soon as possible.

Listed below are expectations of NRSG 813:

Class Attendance:

You are expected to attend all classes and participate in the discussions. Because it is understandable that you may not be able to attend all classes, each class will be videotaped. However, routinely viewing the videotapes in lieu of attending class is not acceptable.

Homework Assignments and Exams:

For your convenience as well as so not to waste valuable class time, all homework assignments and exams are "take home". While you are permitted to discuss the assignments with classmates and colleagues and to use any resources at your disposal, what you turn in must ultimately be your own work and yours alone.

If you are unable to turn in your work by the due date, you must arrange to turn it in to either myself or the class facilitator prior to the next class.

You are not permitted to use previous homework assignments or exams as resource materials when formulating your answers.

Homework:

Homework will be assigned and must be submitted to the class facilitator for evaluation and feedback on assigned dates. A grade will not be assigned unless all homework assignments have been turned in.

Focus is on:

Drug selection, monitoring, patient education, prescription writing.

Class Facilitators:

All quizzes and homework assignments will be graded by a class facilitator, using a key provided by the course coordinator. Any SPECIFIC questions regarding your work should be directed to your facilitator. Any GENERAL questions regarding the quizzes, exams, or homework assignments should be brought up in class or posted as a message on the discussion list (see below).

This semester, the class facilitators are:

Site	Facilitator	Address	Phone #	Fax #	E-mail
KUMC	Libby Rosen	KU School of Nursing 3901 Rainbow Blvd. Mail Stop 4043 Kansas City KS 66160-7502	913-588-1640	913-588-1660	lrosen@kumc.edu
FHSU	Carol Moore Anissa Sonntag	Fort Hayes State University Department of Nursing School of Health Life Sciences 600 Park – Stroup Hall Hays, KS 67601-4099	785-628-4407 785-628-4345	785-628-4080	Cmoore@fhsu.edu Asontag@fhsu.edu
PSU	Ruthellyn Hinton	Pittsburg State University McPherson Nursing Education Building 1701 S. Broadway Pittsburg, KS 66762	620-235-4440	620-235-4449	Arhinton@pittstate.edu
WSU	Connie Riddle	Wichita State University School of Nursing 1845 Fairmount Wichita KS 67260-0041			conniejoriddle@sbcglobal.net
Garden City	Eldonna Sylvia	Box 54 RR#1 Leoti, KS 66762	620-275-0259	620-275-3025	Esylvia@kumc.edu

Contacting Me:

By far, the easiest way to contact me is by [E-mail](#), although you are welcome to play phone tag if you like.

We're on the WEB!

Applied Drug Therapy (this course) has its very own home page on the World Wide Web. Its URL (address) is:

<http://classes.kumc.edu/son/nrsg813/>

Visit this site often as it will keep you up to date throughout the semester. It also contains links to other useful places on the Web.

Applied Drug Therapy Lecture Schedule –

Week	Date	Lecture	Instructor	HW Assigned	HW Due	HW Retn'd
1	22-Aug	Course Orientation, Principles of Drug Therapy, Principles of Drug Prescribing	Oszko			
2	29-Aug	Bugs 'n Drugs - Review of Antibiotics and Infectious Diseases	Oszko	1		
3	5-Sep	Drug Therapy During Pregnancy and Lactation, Drug Therapy in Pediatric Patients	Lucas	2	1	
4	12-Sep	Drug Therapy in Geriatric Patients	Mishler	3	2	1
5	19-Sep	Hypertension and Coronary Heart Disease	Oszko	4	3	2
6	26-Sep	Congestive Heart Failure and Atrial Fibrillation	Oszko	5	4	3
7	3-Oct	Atrial Fibrillation and Warfarin Dosing	Oszko	6	5	4
8	10-Oct	Lipid Disorders	Backes	7	6	5
9	17-Oct	Diabetes Mellitus	Backes	8	7	6
	24-Oct	Allergy and URI	Mishler			
10	31-Oct	Asthma and COPD	Burger	9	8	7
11	7-Nov	PUD, GERD, and NV	Schneider	10	9	8
12	14-Nov	Pain Management	Dahm	11	10	9
13	21-Nov	UTI and STD	Lucas	12	11	10
14	28-Nov	Anxiety, Insomnia, and Depression	Milligan	13	12	11
15	5-Dec	Contraception	Ruble		13	12
16	12-Dec					

Faculty lecturing in the course:

Jim Backes, Pharm.D.
Clinical Assistant Professor, Department of Pharmacy Practice
The University of Kansas School of Pharmacy
Kansas City, Kansas

Stefanie Dahm, Pharm.D.
Clinical Assistant Professor, Department of Pharmacy Practice
The University of Kansas School of Pharmacy
Kansas City, Kansas

Greg Burger, Pharm.D.
Clinical Pharmacist, Department of Pharmacy
Lawrence Memorial Hospital
Lawrence, Kansas