

ALHS 4324
DRUGS AND HEALTH

FALL 2009

JOE SARTOR, PharmD.

COURSE TITLE: Drugs and Health

COURSE NUMBER: ALHS 4324

INSTRUCTOR: Joe Sartor, Pharm.D., BCPS
Telephone 903-877-7090
Pager 903-528-1886
joe.sartor@uthct.edu

COURSE DESCRIPTION: The course focuses on the study of legal and illegal use, misuse and abuse of chemical substances that alter structure or function in living organisms.

COURSE CREDIT: Three (3) semester hours

STUDENT LEARNING OUTCOMES: Upon successful completion of ALHS 4324, the student will be able to:

1. Discuss the influence of government regulation on the development of drugs, including the scheduling of controlled substances.
2. Apply the pharmacological properties and general pharmacokinetic parameters of drugs commonly encountered in health science careers.
3. Evaluate the affects of drugs used for specific health problems and the effects on activities of daily living.
4. Understand substance abuse and addition, including the social and physical hazards of select substances.
5. Discuss age and gender specifics of drug use and response, including geriatric, pediatric and pregnancy.
6. Examine and evaluate the use of psychological and physiological enhancing drugs.
7. Influence the positive use of medications and the avoidance of the harmful effects of legal and illegal substances.

**TEACHING
STRATEGIES:**

Class Lecture and Notes

EVALUATION:

Three (3) Exams = 75%
Comprehensive Final Exam = 25%

**GRADING
SCALE:**

90 - 100 = A
80 - 89 = B
70 - 79 = C
60 - 69 = D
Below 60 = F

**RECOMMENDED
REFERENCE
TEXTBOOK:**

These texts can be purchased on the internet. Earlier editions may be less expensive and still offer good basic information. Be aware if purchasing older editions that guidelines are old. We are seeing a renaissance of guidelines and updates.

Lehne, Richard A, et al. Pharmacology for Nursing Care, 6th Ed.
2007 Saunders/Elsevier

COURSE OUTLINE AND SCHEDULE

Date	Lecture Topic
August 26	Human Physiology Related to the Body's Response to Drugs <ul style="list-style-type: none"> ▪ Pharmacokinetics: definitions and concepts ▪ Pharmacodynamics ▪ Hemodynamics ▪ Autonomic and Somatic Nervous system
September 2	Treatment of Inflammation and Pain <ul style="list-style-type: none"> ▪ Antihistamines ▪ Glucocorticoids ▪ Nonsteroidal Anti-inflammatory Drugs (NSAID's)
September 9	<ul style="list-style-type: none"> ▪ Drugs for Allergic Rhinitis ▪ Community-Acquired MRSA
September 16	EXAM #1
September 23	Central Nervous System Drugs <ul style="list-style-type: none"> • Antidepressants ▪ Anxiolytics ▪ Sleep Aids
September 30	Central Nervous System Drugs <ul style="list-style-type: none"> ▪ Antipsychotics ▪ Opiates and Opioids ▪ Stimulants
October 7	Men's Health: Androgens Women's Health: Estrogens and Progestrogens Birth Control and Sexually Transmitted Diseases
October 14	EXAM #2 Drugs for Obesity Drug Abuse:Basics and Definitions
October 21	No Class
October 28	Major Drugs of Abuse other than Alcohol and Tobacco Alcohol and Tobacco Abuse; Effects on Health for a Life Time
November 4	Drug Therapy Across the Life Span <ul style="list-style-type: none"> ▪ Pregnancy and Breast Feeding ▪ Pediatrics ▪ Geriatrics
November 11	EXAM #3
November 18	Common Endocrine and Cardiovascular Medications <ul style="list-style-type: none"> • Diabetes ▪ Asthma and COPD ▪ Hypertension ▪ Heart Disease
December 2	Common Endocrine and Cardiovascular Medications Vitamins and Herbals
December 9	Vitamins and Herbals
December 16	FINAL EXAM