

ALHS 4324
DRUGS AND HEALTH

Fall 2008

JOE SARTOR, PharmD.

COURSE TITLE: Drugs and Health

COURSE NUMBER: ALHS 4324

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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

COURSE OUTLINE AND SCHEDULE

Date	Lecture Topic
September 8	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 15	Treatment of Inflammation and Pain <ul style="list-style-type: none"> ▪ Antihistamines ▪ Glucocorticoids ▪ Nonsteroidal Anti-inflammatory Drugs (NSAID's)
September 22	<ul style="list-style-type: none"> ▪ Drugs for Allergic Rhinitis ▪ Community-Acquired MRSA
September 29	EXAM #1
October 6	Central Nervous System Drugs <ul style="list-style-type: none"> • Antidepressants ▪ Anxiolytics ▪ Sleep Aids
October 13	Central Nervous System Drugs <ul style="list-style-type: none"> ▪ Antipsychotics ▪ Opiates and Opioids ▪ Stimulants
October 20	Drugs for Obesity Drug Abuse <ul style="list-style-type: none"> ▪ Basics and Definitions ▪ Major Drugs of Abuse other than Alcohol and Tobacco
October 27	EXAM #2
November 3	Men's Health <ul style="list-style-type: none"> • Androgens Women's Health <ul style="list-style-type: none"> ▪ Estrogens and Progestrogens ▪ Birth Control
November 10	Alcohol and Tobacco Abuse; Effects on Health for a Life Time
November 17	Drug Therapy Across the Life Span <ul style="list-style-type: none"> ▪ Pregnancy and Breast Feeding ▪ Pediatrics ▪ Geriatrics
November 24	EXAM #3
December 1	Common Endocrine and Cardiovascular Medications <ul style="list-style-type: none"> • Diabetes ▪ Asthma and COPD ▪ Hypertension ▪ Heart Disease
December 8	Vitamins and Herbals
December 15	FINAL EXAM