

All homework must be original work by the individual student. Homework will be due one week after being assigned (on Friday). Students must be present in the lecture room on the day the Case Study is presented. They may be asked to present parts of the case study. If the student is selected for presentation and is not present, points will be deducted from the overall grade

Instructor and Course Evaluations

Please note: *Course and instructor evaluations are requirements for the successful completion of this course. Course and instructor evaluations must be completed, just as exams, papers, and assignments must be completed for you to receive credit for this course. If you do not complete all required course and instructor evaluations by the last day of classes, you will receive an "I" or an incomplete grade for the semester because you have not completed all of the course requirements. See the College of Pharmacy Student/Faculty handbook and the UF undergraduate catalog in the Academic Regulations Sections (Page 44) regarding policies and procedures for the conversion of "I grades".*

Office Hours: Friday, 11:30 to 12:30
Also, please call or e-mail anytime

Exams: There will be 2 written exams. The homework assignments will be given on the Case Studies Days, due the next week and will be worth 10 points each.

Attendance for Case Study discussion is **Mandatory**. In case of unexcused absence, 10 points will be deducted.

| | Date | Maximum Points | % Total |
|-----------------------|--------|----------------|------------|
| 1st Exam | Feb. 5 | 100 | 40 |
| 2nd Exam | Mar. 5 | 100 | 40 |
| Homework/Case Studies | | 50 | 20 |
| TOTAL | | 250 | 100 |

A key to the exam will be posted when exams are returned to students, and will remain posted for one week

Academic Honesty Guidelines:

Academic honesty guidelines are outlined in the University of Florida *Student Guide* and in the College of Pharmacy *Student/Faculty Handbook*. These guidelines will be strictly adhered.

Required Reading: Michael E. Winter's
Basic Clinical Pharmacokinetics 4th Ed.
Applied Therapeutics, Inc., Vancouver, WA

Recommended Reading:
Malcolm Rowland & Thomas N. Tozer, Clinical Pharmacokinetics Concepts and Applications 3rd ed. Lea & Febiger Philadelphia, 1995

Milo Gibaldi, Biopharmaceutics and Clinical Pharmacokinetics, 4th ed. Lea & Febiger, Philadelphia 1991

Joseph T. DiPiro, Robert A. Blouin, Jane M. Pruemer, William J. Spruill, Concepts in Clinical Pharmacokinetics, 2nd Edition, American Society of Hospital Pharmacists, Bethesda, 1996

Applied Biopharmaceutics & Pharmacokinetics
Leon Shargel/Andrew Yu
5th ed. Appleton & Lange

Applied Clinical Pharmacokinetics
Larry A. Bauer
McGraw Hill

Pharmacokinetics Principles and Applications
Mehdi Boroujerdi
McGraw Hill

Calculators: Scientific calculators, Excel worksheets

Examinations: May consist of multiple choice, essay question and calculations. Questions concerning grading need to be asked not later than one week after grades were posted. The first exams will be returned. Final exams can be looked at, but will be kept.

Make-up Exams: Make-up exams will only be given, if important medical reasons exist (doctors excuse).

Special Requirements Students requesting classroom accommodation must first register with the Dean of Students Office. The Dean of Students Office will provide documentation to the student who must then provide this documentation to the Instructor when requesting accommodation.

General Class Conduct

Class will start promptly. You are expected to be seated and ready so that the class can start promptly. It is expected that you will act in a professional and courteous manner. If you are found to be disruptive in class, the instructor may ask that you leave the classroom. The instructor reserves the right to take attendance at any of the lecture sessions.

It is the formal policy of this class that in order to fully and properly full the requirements of this course some use of and proficiency in the use of computers, including access to and use of the Internet (email and World Wide Web), will be required.

COURSE OBJECTIVES:

At the end of this course the student should be able to:

1. Understand the theoretical background of the pharmacokinetic behaviour of drugs.
2. Understand the influence of dosage forms, dosing regimens and dose on drug levels and to understand the relationship between drug concentration, effect and side effects.
3. Design optimized dosing regimens for patient care utilizing drug monitoring techniques and computer technology.
4. Apply the above principles for pharmacokinetic decision making and improvement of patient care.

STUDENT COMPETENCIES:

- A. Recognize and resolve preventable drug-related problems.
- B. Recognize and resolve ethical dilemmas in appropriate ways.
- C. Design, implement, monitor, evaluate, document, and modify or recommend modifications in pharmacotherapy to insure effective, safe and economical pharmaceutical care.
- D. Effectively communicate and educate both patients and other health care professionals in order to optimize pharmacotherapy and prevent future health problems.
- E. Implement rational pharmacotherapy based on a mastery of biomedical (e.g. physiology, anatomy and immunology), pharmaceutical (e.g. pharmacology, toxicology, both pharmaceutical and medicinal chemistry, and pharmacy administration) and clinical (e.g. epidemiology, pathophysiology, pharmacokinetics and therapeutics) sciences.
- F. Critically evaluate new advances in pharmacotherapy or systems of care and effectively utilize this new knowledge in patient care.