

Applied Pharmacokinetics (PHR 390S)
Spring 2009
Monday & Wednesday
2:00 – 3:30 pm

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Course Texts: The recommended textbook for this course is Applied Clinical Pharmacokinetics, 1st Edition, Larry A. Bauer, McGraw Hill Inc., 2001. Additional readings may be required by individual instructor. It is the instructor's responsibility to provide supplemental reading sufficiently in advance of class for it to be useful to students. Instructors may use a variety of methods to supply supplemental reading (e.g., reserve holdings, reprints, etc.).

Web Resources: 1. The **official Blackboard® web site** for this course can be accessed either through UTDirect or via <http://courses.utexas.edu>. Either access point is UTEID-protected, and provides you links to this course. The website will also be used for official, course-related announcements and for

exchange class information and questions via the discussion board. **Be aware that any messages posted to the discussion board are available to all enrolled students and faculty.**

Lecture handout (word document, power point slides, or pdf file) will be posted to the website at least 48 hours prior to date of lecture. Occasionally, for individual lecture, hard copy of handout will be provided.

2. You may also contact faculty members directly via **Email**.

Dr. Jaime Anaya janaya@utep.edu

Dr. David Burgess burgessd@uthscsa.edu

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3. **Taped and video-streamed recordings** of lectures are intended to facilitate learning for those students who find this type of supplementation useful; they are *not* a substitute for attending class. Although recordings of these lectures will be available to you for the semester, this is for supplementation only; your instructors expect you to attend all scheduled lectures. If an individual faculty member chooses to *not* make his/her lectures available by videotape and/or videostreaming, it is that faculty member's responsibility to so inform you.

Viewing video-streamed recordings of lectures is primarily intended for on-campus computer facilities (e.g., LRC Library, 3.116 computer lab, or other computer facilities available on your specific campus). However, it should be possible to view the streaming video off-campus using RoadRunner® or DSL broadband connections. Your faculty are not in a position to troubleshoot your video-streaming problems, so please *do not ask them to do so*; rather, you should access the LRC website at <http://www.utexas.edu/pharmacy/resources/lrc> to address those problems. Any other questions should be directed to the LRC at reinekej@mail.utexas.edu.

**Applied Pharmacokinetics (390S) Lecture Schedule
Spring 2009, Monday and Wednesday 2:00 – 3:30 pm**

Date	Topic	Faculty
January 21	Course Overview Review of basic pharmacokinetic concepts	Dr. Burgess Dr. Lam
January 26	Review of basic pharmacokinetic concepts	Dr. Burgess
January 28	Application of pharmacokinetic concepts	Dr. Lam
February 2	Pharmacokinetic parameters after multiple dosing and continuous infusion	Dr. Kuhn
February 4	Renal dosing	Dr. Echevarria
February 9	Applied pharmacokinetics/pharmacodynamics for aminoglycosides	Dr. Burgess
February 11	Applied pharmacokinetics/pharmacodynamics for aminoglycosides	Dr. Burgess
February 16	Applied pharmacokinetics/pharmacodynamics for vancomycin	Dr. Hardin
February 18	Review of aminoglycoside and vancomycin problems	Dr. Burgess
February 23	Bioavailability	Dr. Ryan
February 25	Liver Dosing	Dr. Ryan
March 2	Exam 1 (January 21 st – February 18th)	Dr. Burgess
March 4	Review of Exam 1	Dr. Burgess
March 9	Applied pharmacokinetics/pharmacodynamics in pediatrics	Dr. Johnson
March 11	OPEN	
March 16 - 20	Spring Break	
March 23	Applied pharmacokinetics/pharmacodynamics in elderly	Dr. Perz

Mach 25	Drug Metabolism	Dr. Lam
March 30	Applied pharmacokinetics/pharmacodynamics in pregnancy	Dr. Echevarria
April 1	Drug interactions	Dr. Lam
April 6	Applied pharmacokinetics/pharmacodynamics in the critically ill patient	Dr. Rivera
April 8	Exam 2 (February 23 rd – April 1st)	Dr. Burgess
April 13	Applied pharmacokinetics/pharmacodynamics in psychiatry	Dr. Mascarenas
April 15	Applied pharmacokinetics/pharmacodynamics in psychiatry	Dr. Mascarenas
April 20	Applied pharmacokinetics/pharmacodynamics in HIV	Dr. Anaya
April 22	Applied pharmacokinetics/pharmacodynamics in transplant	Dr. Maxwell
April 27	Applied pharmacokinetics/pharmacodynamics in neurology	Dr. Rogers
April 29	Applied pharmacokinetic/pharmacodynamics in neurology	Dr. Rogers
May 4	Applied pharmacokinetics/pharmacodynamics in neurology	Dr. Rogers
May 6	Review	Dr. Burgess
TBD	FINAL EXAM (April 6 th – May 4 th)	Dr. Burgess

Applied Pharmacokinetics (PHR 390S) Course Policies

Examinations:

There will be two 90-minute examinations throughout the semester, plus a final administered during the Final Exam. Exam weighting is based upon the number of lectures applying to that exam. Each lecture will be worth 7 points on the exam. The format and emphasis for exams is entirely the prerogative of the faculty, irrespective of exam format and emphasis in previous exams. List of equations will be provided with the exam.

Students must arrive on time for examinations. All instructions and corrections will be made at the beginning of the examination period and will not be repeated. Semester exams will begin promptly at the designated hour and will be picked up after exactly 90 minutes. The final examination will last three hours. **Students arriving more than ten minutes late will be barred from taking the exam and will receive a score of zero for that exam.**

No allowances will be made for an exam being missed, other than documented illness or emergency. The student must have **verbal or written permission** from the course director **prior to** scheduled examination. **It is the responsibility of the student to obtain approval from the course director** if there is a valid reason for absence. Simply sending an e-mail or leaving voice mail message as examination absence request will NOT be accepted as approval not to sit for the examination. A written or verbal permission from the course director is essential. There is no special exception. If permission is given to miss one examination, the course grade will be based 100% on the remaining exam(s) grade. Make-up exams will not be given. Unexcused absence from any exam will automatically result in a zero score for that exam. There is no special exception.

Posting of Exam Scores and Review of Exam

Students may review their exams but examination cannot be removed from the office area or photocopied. Individual student scores can be accessed using the Blackboard® “Gradebook” (only you have access to your grades), and individual grades will not be publicly posted in any manner. No challenges will be allowed in this course.

Final Exam Re-Examination Policy:

The re-examination policy for this course will follow the General Information Catalog (GIC) and College of Pharmacy policies for the University, which reads as follows: *“Only a student who has a grade average of at least a C on all class work and lab work submitted before the final exam (in this course, >70% on each exam) may request a temporary delay of the final course grade because he or she failed the final examination (i.e., <65%),*

*which is the examination given during the final exam period as printed in the official examination schedule. If the petition is denied by the instructor, the student's final course grade will remain as originally determined. If the petition is granted by the instructor, the grade on the reexamination will be **substituted** for the grade on the original exam in determining the student's final course grade, provided the student earns at least a C on the reexamination. **If the grade on the reexamination is less than a C (in this course, <70%), a final course grade of F must be recorded.**"*

Those students who are eligible for re-examination according to the University criteria specified above must request re-examination in writing (Email to Course Coordinator) **within 24 hrs** of the posting of the final examination scores, and these request will be considered on an individual basis. Those students who are granted a re-examination will be awarded a course grade of "X" until the re-examination is evaluated and the final course grade computed.

Course Grading:

A =	90 - 100%
B =	80 - 89%
C =	70 - 79%
D =	65 - 69%
F =	Below 65%

Academic Dishonesty:

The "Statement on Scholastic Dishonesty of the College of Pharmacy" reads as follows: "Pharmacy practitioners enjoy a special trust and authority based upon the profession's commitment to a code of ethical behavior in its management of client affairs. The inculcation of a sense of responsible professional behavior is a critical component of professional education, and high standards of ethical conduct are expected of pharmacy students. Students who violate University rules on scholastic dishonesty are subject to disciplinary penalties, including failure of the course involved and dismissal from the college and/or the University. Since dishonesty harms the individual, fellow students, and the integrity of the University and the College of pharmacy, policies of scholastic dishonesty will be strictly enforced in this class".

Students are expected to work independently on all examinations. Any student caught cheating will be given a "zero" on the exam (minimum). Any student suspected of dishonesty will be reported to the Dean of the College of Pharmacy and to the Dean of Students, as per University regulations. Students are expected to have read and understood the current issue of the General Information Catalog published by the Registrar's Office for information about procedures and about what constitutes scholastic dishonesty.

Students with Disabilities:

The University of Texas at Austin provides upon request appropriate academic accommodations for qualified students with disabilities. All University rules concerning accommodations must be followed, including the student arranging for special accommodations ***prior to each examination***. In the absence of such ***prearrangement***, the student will be assumed that the student is not requesting special accommodations for that exam, and will be expected to take the exam with the rest of the class at the regularly scheduled exam time. For more information, contact the Office of the Dean of Students at 471-6259, 471-4641 TTY.