

**Phar 6215**  
**Applied Pharmacokinetics**  
**Spring, 2007**  
**2 semester credits**

<b>Course Director</b>	Richard C. Brundage, Pharm.D., Ph.D. Associate Professor 7-101 WDH 624-3115 <a href="mailto:brund001@umn.edu">brund001@umn.edu</a> Office Hours: by appointment
<b>Course Support</b>	Kyle Baron, Pharm.D. <a href="mailto:baro0006@umn.edu">baro0006@umn.edu</a> 7-101 WDH 624-6932 Office Hours: by appointment  Courtney Hover, Pharm.D. III; Duluth <a href="mailto:hove0096@d.umn.edu">hove0096@d.umn.edu</a> Office Hours: by appointment
<b>Course Logistics</b>	Thursdays, 8:00 to 9:55 Minneapolis, Moos Tower 1450 Duluth, KPlz 395, via ITV
<b>Course Objective</b>	The interpretation and application of pharmacokinetic and pharmacodynamic data to the clinical use of drugs.
<b>Course Prerequisites</b>	Phar 6163, Pharmacokinetics
<b>Course Requirements</b>	The student is expected to attend all class sessions. Problem sets will be distributed throughout the semester. There will be two 2-hour exams scheduled during the semester. These exams are cumulative and may cover any course material discussed to date. A comprehensive final will be given during finals week at the University designated time. All of these exams will be completely closed book/closed notes. Calculators will be required for the exams, but the use of pre-programmed equations in the calculators is <b>NOT</b> allowed.

<b>Grading Breakdown</b>	Homework assignments	10%
	Exam 1	25%
	Exam 2	25%
	Final Examination	40%

**Grading Policy** Final grades will be assigned as follows:

93-100%	A
90-92%	A-
87-89%	B+
83-86%	B
80-82%	B-
77-79%	C+
73-76%	C
70-72%	C-
67-69%	D+
60-66%	D
<60%	F

**Exam Date Policy** No circumstances are foreseen that would require a change in the scheduled examination dates.

**Make-Up Policy** Make-up exams **will not** be given to students who are unable to take an exam at the scheduled time. They will be required to take the final exam and their grade will be based upon their performance on one mid-term and the final.

Make-up exams **will not** be given to students who have failed the original test.

Make-up exams or the final exam **will be** given to students who have a legitimate excuse **and** have notified the course director as far in advance as possible. As per University guidelines, legitimate excuses include serious personal or family emergencies, a verified illness, subpoenas, jury duty, or military service. The acceptability of other excuses will be determined by the course director.

Make-up examinations must generally be taken within 5 working days after the original date. The course director will consult with the student as to an acceptable date and time for any make-up examination; however, the course director has final discretion as to the exact date and time.

**Incomplete Grades**

There is no established procedure for a student to receive an incomplete grade for Phar 6215. It is conceivable that an unanticipated situation may arise that would warrant use of an incomplete grade. The acceptability of any such situation is solely at the discretion of the course director.

**Class Etiquette**

The instructors expect all students to conduct themselves in a professional manner consistent with the University of Minnesota Pharmacy Student Code of Ethical Responsibility and Professional Behavior. Students will not engage in disruptive classroom conduct. This refers to behavior that substantially or repeatedly interrupts either the instructor's ability to teach or student learning. The classroom extends to any setting where a student is engaged in work toward academic credit or satisfaction of program-based requirements or related activities.

**Scholastic Misconduct**

Each student is bound by the following specific provisions as part of the Honor Code. Academic misconduct is any unauthorized act which may give a student an unfair advantage over other students, including but not limited to: falsification, plagiarism, misuse of test materials, receiving unauthorized assistance and giving unauthorized assistance. The use of pre-programmed equations in programmable calculators is explicitly **NOT** allowed. Electronic or wireless communication during an exam is explicitly **NOT** allowed. Cases of scholastic misconduct will be referred to the appropriate College committee.

**Disability**

Any student with a documented disability who needs to arrange reasonable accommodations must contact the Course Director and Disability Services (626-1333) at the beginning of the semester. All discussions are confidential.

**Course Evaluation**

All students will be given the opportunity to complete a course evaluation at the end of the semester.

**Course Schedule**

A **tentative** course schedule is attached; it is subject to change, and usually does.

<b>Date</b>	<b>Topic</b>	<b>Lecturer</b>
1/18/2007	Course Logistics Introduction to Applied Pharmacokinetics	Brundage Brundage
1/25/2007	Pharmacokinetic Models and Equations Pharmacokinetic Models and Equations	Brundage Brundage
2/1/2007	Pharmacokinetic Models and Equations Pharmacokinetic Models and Equations	Brundage Brundage
2/8/2007	Pharmacokinetic Models and Equations Pharmacokinetic Models and Equations	Brundage Brundage
2/15/2007	Two-compartment Model PK Two-compartment Model PK	Brundage Brundage
2/22/2007	Exam 1	Brundage
3/1/2007	Steady State Concepts Steady State Concepts	Brundage Brundage
3/8/2007	Aminoglycoside Pharmacokinetics Aminoglycoside Pharmacokinetics	Brundage Brundage
3/15/2007	<i>Spring Break</i>	<i>Everyone!</i>
3/22/2007	Pharmacokinetic Variability TDM: Application to Methotrexate Dosing	Brundage Tracy
3/29/2007	Pharmacokinetic Variability Pharmacokinetic Variability	Brundage Brundage
4/5/2007	Exam 2	Brundage
4/12/2007	Practical PK for Practitioners Clinical Pharmacodynamics	Brundage Brundage
4/19/2007	Stereoselective PK/PD Pharmacokinetics and Pregnancy	Tracy Tracy
4/26/2007	Protein Binding Considerations Protein Binding Considerations	Brundage Brundage
5/3/2007	Body Size Considerations Course Evaluation	Brundage Staff
TBD	Final Exam	