

**Advanced Biopharmaceutics**  
PGS 282S (2 credits)

**Fall 2016**

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**Unique number:** 58325

**Course description:**

Biopharmaceutics provides the scientific rationale for drug product design and development by studying the effect of the physicochemical properties of drugs, the dosage forms of drugs, the routes of drug administration, and their interrelationship on the bioavailability of drugs. In this Advanced Biopharmaceutics course, students will first have a comprehensive and in-depth review of key concepts of biopharmaceutics and then discover how basic (bio)pharmaceutics concepts are applied in drug product development and pharmacy practice by deconstructing and analyzing clinical pharmacy cases, pharmaceutical science research papers, and/or drug products. The goal of this course is to prepare students on how to approach drug product design and development projects. Students can also expect to develop skills in literature search, critical analysis of data, scientific presentation, and peer evaluation.

**Class time and location:** TBD

**Faculty/Instructor:** Zhengrong Cui, Ph.D. 512-495-4758 or 512-471-3169

**Office hours:** by appointment at PHR5.218

**Textbooks:**

There is not a required textbook. Prereading materials will be provided to help refresh your basic biopharmaceutics knowledge. If you would like to get more basic information, *Applied Biopharmaceutics & Pharmacokinetics* (6e) is freely available to UT Austin students in Access Pharmacy (<http://accesspharmacy.mhmedical.com/book.aspx?bookId=513>).

**Class practice and policy:**

A professional atmosphere will be maintained. Social visits, talking or texting on cell phones, or surfing the internet for information irrelevant to topics discussed in class are not permitted.

**Course grading:**

- A 90-100
- B 80-89
- C 70-79
- D < 70

**Service to students with disabilities:**

Any student with a documented disability (physical or cognitive) who requires academic accommodations should contact the Services for Students with Disabilities at 512-471-6259 (voice) or [ssd@austin.utexas.edu](mailto:ssd@austin.utexas.edu) (email) as soon as possible to request an official letter outlining authorized accommodations.

**College policy on rescheduling assignments and / or presentations:**

I understand that there are occasions where rescheduling is justifiable. In the event that you must have to reschedule your presentation(s), please work with your classmates to find someone who is willing to switch presentation(s) with you.

**Posting student scores:**

Your scores will be returned to you within two weeks after your presentation.

**Campus Carry:**

“Students should familiarize themselves with the information provided by the University regarding the implementation of “Campus Carry” legislation. You will find an information sheet specifically for students (as well as sheets for parents, visitors, faculty, and staff) at <http://campuscarry.utexas.edu/info-sheets>.”

**Note:**

More details about grading criteria and rubrics and course schedule are available in Syllabus Attachment.