

Tuesdays and Thursdays 11:00 AM - 12:20 PM, 112 Norton Hall, North Campus

Instructor: Prof. Thomas Kalman, PhD (e-mail: tkalman@buffalo.edu)

Office hours: Wednesdays 10:30 AM - 12:30 AM (433 Hochstetter Hall)

Individual consultations *by appointment only* (645-6368)

Teaching assistant: TBA

Class Schedule (general topics and examinations)

Dates do **not** necessarily correspond to topics listed below; the course runs as a continuum in the order indicated

Aug. 26	Tue	Introduction. Historical Background
Aug. 28	Thr	Sources of Drugs. Drug Discovery & Development
Sept. 2	Tue	Review of Pharmaceutically Important Functional Groups
Sept. 4	Thr	Drug Properties I
Sept. 9	Tue	Drug Properties II
Sept. 11	Thr	Drug Metabolism I
Sept. 16	Tue	Drug Metabolism II
Sept. 18	Thr	Prodrugs
Sept. 23	Tue	<i>Review</i>
Sept. 25	Thr	Examination #1 (<i>material through Sept. 23</i>)
Sept. 30	Tue	NO CLASS
Oct. 2	Thr	Drug Targets, Receptors, Binding Forces
Oct. 7	Tue	Drug-Receptor Interactions
Oct. 9	Thr	NO CLASS
Oct. 14	Tue	Drug-Enzyme Interactions
Oct. 16	Thr	Enzyme inhibition I
Oct. 21	Tue	Enzyme Inhibition II
Oct. 23	Thr	Non-Receptor Targets
Oct. 28	Tue	<i>Review</i>
Oct. 30	Thr	Examination #2 (<i>material through Oct. 28</i>)
Nov. 4	Tue	Pharmacodynamic Drugs I
Nov. 6	Thr	Pharmacodynamic Drugs II
Nov. 11	Tue	Chemotherapeutic Drugs. Selective Toxicity, Drug Resistance
Nov. 13	Thr	Antibacterial Drugs I
Nov. 18	Tue	Antibacterial Drugs II
Nov. 20	Thr	Antiviral Drugs I
Nov. 25	Tue	Antiviral Drugs II
Nov. 27	Thr	NO CLASS
Dec. 2	Tue	Anticancer Drugs
Dec. 4	Thr	Chemistry of Drug Interactions. Drug Incompatibilities

Final examination: time and place as announced - *the final exam will cover in details all the material discussed after the 2nd exam (Nov. 4 - Dec. 4) and in addition, it will cover all general principles and concepts discussed throughout the course.*