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PHAR 443.01: Pharmacology and Toxicology

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PHAR 443: PHARMACOLOGY AND TOXICOLOGY (FALL 2001)

Instructors: Howard Beall (SB 159; X5112)
Richard Bridges (SB 385; X4972)
Craig Johnston (SB 275; X5061)
Keith Parker (SB 301; X4235)

Schedule: **MWF 11:10 A.M., CP 109; W 1:10 P.M., SB 114**

Textbooks: Human Pharmacology, 3rd Ed., 1998.

Basic and Clinical Pharmacology, 8th Ed., 2001.

The Pharmacological Basis of Therapeutics, 10th Ed., 2001. (alternate text)

Exams/Grading: Grades will be assigned by dividing the number of points attained in the course by the total number of points possible. The percentage obtained in this manner will then be translated into a grade according to standard university ranges: A (100-90.0); B (89.9-80.0); C (79.9-70.0); D (69.9-60.0); F (59.9-0). The instructors reserve the right to curve the grade distribution as appropriate. Exams may occur in a variety of formats: multiple choice, short answer, essay, etc. In all cases, performance according to School of Pharmacy and University of Montana ethical guidelines is expected. Opportunities may arise for in-class student participation assignments.

Tentative Outline:

Date	Instructor	Topic
9-5	Parker Parker	Introduction Drug Disposition
9-7	Parker	Absorption; distribution
9-10	Parker	Metabolism; elimination
9-12	Parker Parker	Intro. Pharmacodynamics Dose-Response
9-14	Parker	Dose Response (cont.)

9-17	Parker	Drug Receptors
9-19	Parker Parker	Receptor Molecular Biology Signal Transduction
9-21	Parker	Signal Transduction (cont.)
9-24	Parker	Intro. Autonomic Pharmacology
9-26	Parker Parker	Intro. Autonomics (cont.) Parasympathomimetics
9-28	Parker	Parasympathomimetics
10-1	Parker	Exam 1
10-3	Parker Parker	Parasympathetic Blockers Parasympathetic Blockers; antihistamines
10-5	Parker	Sympathomimetics
10-8	Parker	Sympathomimetics
10-10	Parker Parker	Sympathetic Blockers Sympathetic Blockers
10-12	Parker	Ganglionic Agents
10-15	Parker	Neuromuscular Blockers
10-17	Bridges Bridges	Intro. Neuro/Psycho. Pharm. Synaptic Transmission
10-19	Bridges	General Anesthetics
10-22	Bridges	General Anesthetics
10-24	Bridges Bridges	General Anesthetics Glutamate/Excitatory A.A.
10-26	Bridges	Glutamate/GABA
10-29	Parker	Exam 2
10-31	Bridges Bridges	GABA GABA
11-2	Bridges	Epilepsy/Anti-convulsants

11-5	Bridges	Sedative-hypnotics
11-7	Bridges Bridges	Sedative-hypnotics Acetylcholine
11-9	Bridges	Acetylcholine
11-12		HOLIDAY
11-14	Bridges Bridges	Catecholamines Serotonin
11-16	Bridges	Depression
11-19	Bridges	Anti-depressants
11-21		TRAVEL DAY
11-23		HOLIDAY
11-26	Bridges	NE/Dopamine
11-28	Bridges Bridges	Parkinsons Disease Movement Disorders (cont.)
11-30	Bridges	Anti-psychotics
12-3	Bridges	Exam 3
12-5	Bridges Bridges	Anti-psychotics Peptides/Opiates
12-7	Johnston	Ethanol
12-10	Johnston	Ethanol
12-12	Beall Beall	Cancer chemotherapy Cancer chemotherapy
12-14	Beall	Cancer chemotherapy
12-(17-21)		FINAL EXAM