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PHAR 443.01: Pharmacology and Toxicology

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PHAR 443: PHARMACOLOGY AND TOXICOLOGY (FALL 2002)

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

Schedule: MTuThF 11:10 A.M., SB 117

Textbooks: 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. Exams are to be taken as scheduled (See School of Pharmacy policy on exams). Opportunities may arise for in-class student participation assignments.

Tentative Outline:

Date	Instructor	Topic
9-3	Parker	Introduction
9-5	Parker	Drug Disposition
9-6	Parker	Absorption; distribution
9-9	Parker	Metabolism; elimination
9-10	Parker	Intro. Pharmacodynamics
9-12	Parker	Dose-Response
9-13	Parker	Dose Response (cont.)
9-16	Parker	Drug Receptors
9-17	Parker	Receptor Molecular Biology
9-19	Parker	Signal Transduction

9-20	Parker	Signal Transduction (cont.)
9-23	Parker	Intro. Autonomic Pharmacology
9-24	Parker	Intro. Autonomics (cont.)
9-26	Parker	Parasympathomimetics
9-27	Parker	Parasympathomimetics
9-30	Parker	Exam 1
10-1	Parker	Parasympathetic Blockers
10-3	Parker	Parasympathetic Blockers; antihistamines
10-4	Parker	Sympathomimetics
10-7	Parker	Sympathomimetics
10-8	Parker	Sympathetic Blockers
10-10	Parker	Sympathetic Blockers
10-11	Parker	Ganglionic Agents
10-14	Parker	Neuromuscular Blockers
10-15	Bridges	Intro. Neuro/Psycho. Pharm.
10-17	Bridges	Synaptic Transmission
10-18	Bridges	General Anesthetics
10-21	Parker	Exam 2
10-22	Bridges	General Anesthetics
10-24	Bridges	General Anesthetics
10-25	Bridges	Glutamate/Excitatory A.A
10-28	Bridges	Glutamate/GABA
10-29	Bridges	GABA
10-31	Bridges	GABA
11-1	Bridges	Epilepsy/Anti-convulsants

11-4	Bridges	Sedative-hypnotics
11-5		HOLIDAY
11-7	Bridges	Sedative-hypnotics
11-8	Bridges	Acetylcholine
11-11		HOLIDAY
11-12	Bridges	Acetylcholine
11-14	Bridges	Catecholamines
11-15	Bridges	Serotonin
11-18	Bridges	Exam 3
11-19	Bridges	Depression
11-21	Bridges	Anti-depressants
11-22	Bridges	NE/Dopamine
11-25	Bridges	Parkinsons Disease
11-26	Bridges	Movement Disorders (cont.)
11-28/29		HOLIDAYS
12-2	Bridges	Anti-psychotics
12-3	Bridges	Anti-psychotics (cont.)
12-5	Bridges	Peptides/Opiates
12-6	Beall	Cancer chemotherapy
12-9	Beall	Cancer chemotherapy
12-10	Beall	Cancer chemotherapy
12-12	Johnston	Ethanol
12-13	Johnston	Ethanol
12-17		FINAL EXAM