date  Diamond  Julien
5/26  Ch 1  Ch 1  Introduction: Neurons and Glia
   Neuron Physiology; Nernst equation; resting membrane potential; action potential;
   transmitter release; post-synaptic potentials; targets for drug action
   Glial cells: phagocytosis; neuromodulation; insulation; site for drug action

5/28  Ch 2  Ch 2  Neurophysiology/Neurotransmitters
   continuation of above; introduce dopamine, norepinephrine, serotonin etc.
   start neuroanatomy

6/2  Ch 3  Neuroanatomy/Pharmacology/Behavior
   Neuroanatomy: myelencephalon; metencephalon; mesencephalon; diencephalon; telencephalon
   Pharmacokinetics: route of admin; absorption & distribution; time course; dose-response;
   metabolism & clearance; drug interactions; tolerance & sensitization;
   dependence & withdrawal; generic vs. brand-name differences
   Pharmacodynamics: mechanism of action (agonist vs antagonist); drug effects
   Behavior: Unconditioned & Conditioned Behavior; Schedules of Reinforcement

6/4  continue above

6/9  Ch 3  Chs 7,13  Parkinson's disease
   Etiology; Epidemiology; Symptoms; Neuropathology; Pharmacotherapy; Animal Models

6/11  Ch 8  Ch 11  Schizophrenia
   Etiology; Epidemiology; Symptoms; Neuropathology; Pharmacotherapy; Animal Models

6/16  EXAM I  Ch 12  Developmental Disorders  (Autism; ADHD)
   Etiology; Epidemiology; Symptoms; Neuropathology; Pharmacotherapy; Animal Models

6/18  Ch 4  Chs 7,8,21  Drug Abuse
   Etiology; Epidemiology; Symptoms; Neuropathology; Pharmacotherapy; Animal Models

6/23  Ch 5  Chs 9,10,17  Depression: OCD; PTSD
   Etiology; Epidemiology; Symptoms; Neuropathology; Pharmacotherapy; Animal Models

6/25  Ch 6  Aggression & Food Intake
   Etiology; Epidemiology; Symptoms; Neuropathology; Pharmacotherapy; Animal Models

6/30  Ch 7  Chs 4,5,6,15  Anxiety, Alcohol, Analgesics
   Etiology; Epidemiology; Symptoms; Neuropathology; Pharmacotherapy; Animal Models

7/2  Class Presentations  Exam II

Students are required to write a short term paper (about 10 pages) or give a class presentation on the
symptoms, epidemiology, etiology, neuropathology, and pharmacotherapy of a psychiatric disorder.