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BIOL 340-01, Animal Physiology, Lectures, Fall 2006

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Fall 2006 Physiology Lecture Schedule

<i>date</i>	<i>lecture</i>
Aug. 24	Course introduction

Aug. 29	Conformers and regulators; Homeostasis
Aug. 31	Intro to the Nervous System

Sep. 5	Electrical potentials in excitable cells
Sep. 7	Action potentials

Sep. 12	
Sep. 14	Neurotransmitters and second messengers Submit practice exam questions

Sep. 19	Sensory systems
Sep. 21	Structure and function of the CNS and PNS Submit Exam 1 questions <i>Multiple sclerosis - Jessye</i>

Sep. 26	Evaluate Exam 1
Sep. 28	Muscle structure, function, and energetics <i>Anum - sliding filament hypothesis</i>

Oct. 3	<i>Muscle excitation - Daniel; muscle training/recovery - Jake</i>
Oct. 5	Invertebrate muscle physiology; <i>Biomechanics - Mark; Smooth muscles</i>

Oct. 10	Mammalian circulatory system; Cardiac muscle
Oct. 12	Cardiac signaling; <i>Arrhythmias - Joseph; Cardiac surgical procedures - Kacie</i>

Oct. 17	Fall Break
Oct. 19	Regulation of blood pressure - <i>hypertension - Lucas</i>

Oct. 24	Introduction to Respiration; Mammalian lungs
Oct. 26	<i>Respiratory adaptations - Julie and Audrey; Disorders - Joel</i> Submit Exam 2 Questions

Oct. 31	Evaluate Exam 2
Nov. 2	Water and ion balance - mammalian kidney function

Nov. 7	
Nov. 9	<i>pH regulation in the kidney - Elizabeth</i>

Nov. 14	Water and ion balance in extreme environments
Nov. 16	Introduction to digestion

Nov. 21	Regulation of gastrointestinal activity
Nov. 23	Thanksgiving Recess

Nov. 28	<i>Functions of the liver & pancreas - Aaron; diabetes - Jamie</i>
Nov. 30	<i>Hormonal regulation of growth and metabolism - Becca and Stephanie</i>

Dec. 5	Class discussion of student final exam questions

Dec. 9	Evaluate Final Exam 1:00 pm (or TBA)