

## Fall 2006 Physiology Lecture Schedule

<i>date</i>	<i>lecture</i>
Aug. 24	Course introduction
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Aug. 29	Conformers and regulators; Homeostasis
Aug. 31	Intro to the Nervous System
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Sep. 5	Electrical potentials in excitable cells
Sep. 7	Action potentials
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Sep. 12	
Sep. 14	Neurotransmitters and second messengers <b>Submit practice exam questions</b>
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Sep. 19	Sensory systems
Sep. 21	Structure and function of the CNS and PNS <b>Submit Exam 1 questions</b> <i>Multiple sclerosis - Jessye</i>
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Sep. 26	<b>Evaluate Exam 1</b>
Sep. 28	Muscle structure, function, and energetics <i>Anum - sliding filament hypothesis</i>
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Oct. 3	<i>Muscle excitation - Daniel; muscle training/recovery - Jake</i>
Oct. 5	Invertebrate muscle physiology; <i>Biomechanics - Mark; Smooth muscles</i>
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Oct. 10	Mammalian circulatory system; Cardiac muscle
Oct. 12	Cardiac signaling; <i>Arrhythmias - Joseph; Cardiac surgical procedures - Kacie</i>
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Oct. 17	<b>Fall Break</b>
Oct. 19	Regulation of blood pressure - <i>hypertension - Lucas</i>
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Oct. 24	Introduction to Respiration; Mammalian lungs
Oct. 26	<i>Respiratory adaptations - Julie and Audrey; Disorders - Joel</i> <b>Submit Exam 2 Questions</b>
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Oct. 31	<b>Evaluate Exam 2</b>
Nov. 2	Water and ion balance - mammalian kidney function
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Nov. 7	
Nov. 9	<i>pH regulation in the kidney - Elizabeth</i>
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Nov. 14	Water and ion balance in extreme environments
Nov. 16	Introduction to digestion
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Nov. 21	Regulation of gastrointestinal activity
Nov. 23	<b>Thanksgiving Recess</b>
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Nov. 28	<i>Functions of the liver &amp; pancreas - Aaron; diabetes - Jamie</i>
Nov. 30	<i>Hormonal regulation of growth and metabolism - Becca and Stephanie</i>
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Dec. 5	Class discussion of student final exam questions
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Dec. 9	<b>Evaluate Final Exam 1:00 pm (or TBA)</b>