

## PH106-001 Tentative class Schedule - Fall, 2008

Date	Topic	Activities	Assignment	Other links
08/20	Introduction <a href="#">Electric Fields (Ch. 23)</a>	Clicker introduction, Assessment test		
08/22	Recitation	Intro to WebAssign		<a href="http://webassign.net">webassign.net</a>
08/25	Electric Fields (Ch. 23)	<a href="#">Electrostatics lab</a> & <a href="#">Physlets</a>		
08/27	<a href="#">Gauss's Law (Ch. 24)</a>	<a href="#">Gauss's law exercise</a> <a href="#">Gauss's law physlets</a> <b>Note:</b> <b>Aug 27<sup>th</sup> is the last day to drop course without a grade of "W"</b>	HW1 due 08/31	Struck by lightning: <a href="#">Plane</a> <a href="#">Car</a>
08/29	Recitation			
09/01	Labor Day			
09/03	Gauss's Law (Ch. 24)		HW2 due 09/08	
09/05	Recitation			
09/08	<a href="#">Electric Potential (Ch. 25)</a>	<a href="#">Electric potential physlets</a>		<a href="#">Electric field applet</a>
09/10	<a href="#">Electric Potential II (Ch. 25)</a>	<a href="#">Equipotential lab</a>	HW3 due 09/15	<a href="#">Greek alphabet</a>
09/12	Recitation			
09/15	<a href="#">Capacitance and Dielectrics (Ch. 26)</a>	<a href="#">Capacitor exercise</a>		
09/17	Capacitance and Dielectrics (Ch. 26)	<a href="#">Capacitor lab</a>		
09/19	Recitation			
09/22	<a href="#">Current and Resistance(Ch. 27)</a>	<a href="#">Review</a>	HW4 due 09/24	
09/24	Current and Resistance(Ch. 27)	<a href="#">Resistor lab</a>		
09/26	<b>Exam I</b>		Bring calculator	<a href="#">bonus</a>
09/29	<a href="#">Direct Current Circuits (Ch. 28)</a>	<a href="#">DC circuit exercise</a>		<a href="#">CCK applet</a>
10/01	<a href="#">Direct Current Circuits II (Ch. 28)</a>	<a href="#">DC circuits lab</a>		
10/03	Recitation			
10/06	Direct Current Circuits (Ch. 28)	<a href="#">RC circuit physlet</a> <a href="#">Parallel &amp; series resistors exercise</a> <a href="#">Kirchhoff's rule exercise</a> <a href="#">Energy exercise</a>		<a href="#">RC circuit physlet</a> <a href="#">Kirchhoff physlet</a>
10/08	<a href="#">Magnetic Fields (Ch. 29)</a>	<a href="#">RC circuit lab</a>	HW 5 due 10/09	
10/10	Fall Break			
10/13	<a href="#">Magnetic Fields II (Ch. 29)</a>	<a href="#">Dipole moment of a coil</a> <a href="#">Mass spectrometer exercise</a>		
10/15	<a href="#">Magnetic Field sources (Ch. 30)</a>	<a href="#">Earth magnetic field lab</a>		
10/17	Recitation			
10/20	<a href="#">Magnetic Field sources II (Ch. 30)</a>	<a href="#">Biot-Savart exercise</a> <a href="#">Review II</a> <a href="#">Dr. Schad's old exam 2</a>	HW 6 due 10/20	<a href="#">bonus</a> due <a href="#">Levitated objects</a>

Date	Topic	Activities	Assignment	Other links
10/22	Faraday's Law (Ch. 31)			
10/24	Recitation			
10/27	<a href="#">Faraday's Law (Ch. 31)</a>	Review problems		
10/29	Faraday's Law (Ch. 31)	<a href="#">Induction</a> <b>Note:</b> <b>Oct 29<sup>th</sup> is the last day to drop a course with grade of "W"</b>		
10/31	<b>Exam II</b>		Bring calculator	
11/03	<a href="#">Inductance (Ch. 32)</a>	<a href="#">Induction exercise</a>		
11/05	<a href="#">Inductance II (Ch. 32)</a>	<a href="#">Mutual inductance lab</a>		
11/07	Recitation			
11/10	<a href="#">Alternating current circuits (Ch. 33)</a>	<a href="#">AC circuits and LC oscillations</a> <a href="#">Write your own final exam questions</a>		<a href="#">Hydraulic analogy</a> <a href="#">Hyperphysics</a> <a href="#">Waterwheel start</a> <a href="#">AC Inductor figure</a> <a href="#">AC Capacitor figure</a> <a href="#">AC Resistor figure</a>
11/12	Review <a href="#">Electromagnetic waves (Ch. 34)</a>	Bonus quiz		
11/14	Recitation			
11/17	<a href="#">Laws of geometric optics (Ch. 35)</a>	<a href="#">Dispersion &amp; critical angle exercise</a>		
11/19	<a href="#">Image formation (Ch. 36)</a>	<a href="#">Reflection &amp; refraction lab</a>		<a href="#">Mirror ray diagram</a> <a href="#">Lens ray diagram</a>
11/21	Recitation			
11/24	<a href="#">Interference (Ch. 37)</a>	<a href="#">Lenses lab</a>		<a href="#">Young's double slit</a>
11/26	Holiday – Thanksgiving			
11/28	Holiday – Thanksgiving	<b>Note:</b> <b>Nov 29<sup>th</sup>: UA vs. Auburn</b>		
12/01	Interference (Ch. 37)	<a href="#">Your exam questions</a> <a href="#">Dr. Schad's exam III</a> <a href="#">Dr. Schad's old final</a>		
12/03	Review	<a href="#">Lecture notes CH23-CH37</a> <a href="#">Diffraction lab</a>		
12/05	Recitation			
12/09	<b>FINAL: 8:00 AM - 10:30 AM</b> Classes which first meet MWF 9:00–9:50 AM	Comprehensive	Bring calculator	