

**This schedule is subject to change.  
Midterm date is set.**

PHY 4324 Schedule (Subject to Change)				
Week	Material	Reading Assignment	Homework Assignment	Special
#1: Aug. 21	Course Introduction Syllabus, Policies	Chapter 7.1		
	<b>Chapter 7: Electrodynamics</b> Electromotive Force			
#2: Aug. 28	<b>Chapter 7: Electrodynamics</b> Electromagnetic Induction	Chapter 7.2		
#3: Sept. 6	Complete Maxwell's Equations	Chapter 7.3	Problem Set 1 Due, Sept. 6	<b>No class Sept. 4; Labor Day</b>
#4: Sept. 11	<b>Chapter 8: Conservation Laws</b> Charge and Energy	Chapter 8.1	Problem Set 2 Due, Sept. 15	
#5: Sept. 18	Momentum	Chapter 8.2-3		
#6: Sept. 25	<b>Chapter 9: Electromagnetic Waves</b> Waves in 1D	Chapter 9.1	Problem Set 3 Due, Sept.27	
#7: Oct.2	EM Waves in Vacuum EM Waves in Matter	Chapter 9.2-3		<b>Homecoming: No Class: Oct.6</b>
#8: Oct. 9	Absorption and Dispersion	Chapter 9.4	Problem Set 4 Due, Oct. 11	
#9: Oct. 16	Guided Waves	Chapter 9.5		
#10: Oct. 23	<b>Chapter 10: Potentials and Fields</b> Potential Formation;	Chapters 10.1	Problem Set 5 Due, Oct. 25	<b>Midterm Exam Wednesday, Oct. 25 Chapt's 7-9 8:20-10:20 pm in 1002</b>
#11: Oct. 30	Continuous Distributions Point Charges	Chapter 10.2-3		

#12: Nov.6	<b>Chapter 11: Radiation</b> Dipole Radiation	Chapter 11.2		<b>Veteran's Day: No Class: Nov. 10</b>
#13: Nov. 13	Point Charges	Chapter 12.1	Problem Set 6 Due, Nov. 15	
#14: Nov. 20	<b>Chapter 12: Electrodynamics and Relativity</b> Special Theory of Relativity	Chapter 12.2		<b>Thanksgiving: No Class: Nov. 22-24</b>
#15. Nov. 27	Relativistic Mechanics	Chapter 12.3	Problem Set 7 Due, Nov.29	
#16: Dec. 4	Review/Catch up.	<b>(Classes End – Dec. 6)</b>		
<b>Dec. 14</b>	<b>FINAL EXAM (Thursday 7:30 AM)</b>			