PHYSICS 132 Syllabus WINTER 2010

WK	DAY	DATE	LEC #	CHAPTER	TOPIC	REC	LAB	HW #
1	M	Jan 4	1	21/1-3	Electric charge			
	T	Jan 5				Review		
	W	Jan 6	2	21/4-6	Coulomb's law			
	R	Jan 7						
	F	Jan 8	3	22/1-4	Electric Field & Field Lines			
2	M	Jan 11	4	22/5-8	Distributions of Charges		I:	
	T	Jan 12					Electric Force & Charge	
	W	Jan 12	5	22/6-7	Continuous Distributions		(1)	1
	R	Jan 14				Quiz 1		
	F	Jan 15	6	23/1-3	Electric Flux			
3	M	Jan 18	Holiday		-		II:	
	T	Jan 19					Electric Field & Flux	
	W	Jan 20	7	23/4-6	Gauss' Law		(2)	2
	R	Jan 21				Quiz 2		
	F	Jan 22	8	23/7-9	Applications of Gauss' Law			
4	M	Jan 25	9	24/1-4	Potential Energy & Electric Potential		III:	
	T	Jan 26					Electric Potential	
	W	Jan 27	10	24/5-7	Calculating Electric Potentials		(3)	3
	R	Jan 28				Quiz 3		
	F	Jan 29	11	24/8-12	Electric Potentials & Conductors			
5	M	Feb 1	12	25/1-3	Capacitors		IV:	
	T	Feb 2					Capacitors & Energy	
	W	Feb 3	13	25/4-6	Combining Capacitors		(4)	4
	R	Feb 4				Quiz 4		
	F	Feb 5	14	26/1-3	Current			
6	M	Feb 8	15	26/4-7	Resistance & Ohm's Law		V:	
	T	Feb 9					Electrical Resistance	
	W	Feb 10	16		REVIEW		(5)	5
	R	Feb 11				MIDTERM		
	F	Feb 12	17	27/1-4	Single-Loop Circuits			
7	M	Feb 15	18	27/5-7	Multi-Loop Circuits		VI:	
	T	Feb 16					Electric Circuits I	
	W	Feb 17	19	27/8-9	RC Circuits		(6)	6
	R	Feb 18				Quiz 5		
	F	Feb 19	20	28/1-3	Magnetic Fields			
8	M	Feb 22	21	28/3,6,8	Magnetic Forces		VI:	
	T	Feb 23					Electric Circuits II	
	W	Feb 24	22	28/8,9	Examples of Magnetic Forces		(7)	7
	R	Feb 25				Quiz 6		
	F	Feb 26	23	29/1-2	Generation of Magnetic Fields			
9	M	Mar 1	24	29/2-3	Biot-Savart Law		VII:	
	T	Mar 2					Magnetic Fields I	
	W	Mar 3	25	29-4	Ampere's Law			8
	R	Mar 4				Quiz 7	(8)	
	F	Mar 5	26	29/5	Applications of Ampere's Law			
10	M	Mar 8	27	30/1-4	Faraday's Law		VIII:	
	T	Mar 9					Magnetic Fields II	
	W	Mar 10	28	30/4,7,8	Inductance		(9)	9
	R	Mar 11				Quiz 8		
	F	Mar 12	29	30/9-12	Mutual Inductance			

Topics covered in any given lecture may deviate from the list given above.
The final for the **4:30** lecture will be **Thursday March 18th 3:30 - 5:18 PM**
The final for the **5:30** lecture will be **Wednesday March 17th 3:30 - 5:18 PM**
Please check the course website for any updates.