Tentative Schedule PHYS323

Date	Day	Time	Topic	Pages	HW Set Due
29-Aug	Tue	1:30 - 2:45	Introduction I Galilean Relativity, Space-Time	4 - 6	
31-Aug	Thu	1:30 - 2:45	Simultaneity, Space and Time	7 - 17; 23 - 29	
5-Sep	Tue	1:30 - 2:45	Scales, paradoxa and Lorentz transformation	17 - 37; 45 - 51	
7-Sep	Thu	1:30 - 2:45	Velocity addition and Invariant Intervals	37 - 45	1
12-Sep	Tue	1:30 - 2:45	Momentum	66 - 76	
14-Sep	Thu	1:30 - 2:45	E = mc2 ?	76 - 97	2
19-Sep	Tue	1:30 - 2:45	Statistics and Probability	-	
21-Sep	Thu	1:30 - 2:45	Postulates of QM	-	3
26-Sep	Tue	1:30 - 2:45	State vectors	-	
28-Sep	Thu	1:30 - 2:45	Wave functions, Superposition and Interference	-	4
3-Oct	Tue	1:30 - 2:45	Operators	250 - 253	
5-Oct	Thu	1:30 - 2:45	Time Dependence		
10-Oct	Tue	No class	*Fall Break*		
12-Oct	Thu	1:30 - 2:45	Schrödinger Equation, free particle	229 - 236	5
17-Oct	Tue	1:30 - 2:45	Square well	237 - 245	
19-Oct	Thu	1:30 - 2:45	MIDTERM EXAM (in-class)		
24-Oct	Tue	1:30 - 2:45	Harmonic Oscillator	253 - 257	
26-Oct	Thu	1:30 - 2:45	Quantum Mechanics in 1D -> 3D	277 - 279	
31-Oct	Tue	1:30 - 2:45	Spherical Coordinates, Angular Momentum	279 - 285	6
2-Nov	Thu	1:30 - 2:45	The hydrogen atom	286 -305	
7-Nov	Tue	1:30 - 2:45	Atoms, Molecules, Photons and Lasers	305-323, 376-426	7
9-Nov	Thu	1:30 - 2:45	Molecules, Condensed Matter	375-387, 427-437	
14-Nov	Tue	1:30 - 2:45	Metals and Semiconductors	452 - 484	8
16-Nov	Thu	1:30 - 2:45	Elementary Particles	579 -	
21-Nov	Tue	1:30 - 2:45	Standard Model	- 637	9
23-Nov	Thu	No class	*Thanksgiving Holiday*		
28-Nov	Tue	1:30 - 2:45	Nuclei: bulk properties and reactions	493 - 522	
30-Nov	Thu	1:30 - 2:45	Nuclear structure and building blocks	522-537; 613-619	10
5-Dec	Tue	1:30 - 2:45	Sun, stars and stellar remnants	639 - 673	
7-Dec	Thu	1:30 - 2:45	Large-scale structure of the Universe	673 - 702	11
12-Dec	Tue	12:30 - 3:30	FINAL EXAM (in-class)		