

Tentative Schedule PHYS621

Date	Day	Time	Topic	Pages Shankar
27-Aug	Tue	4:20 - 5:35	Intro, Math Basics	Arfken Ch.6, 14,15
29-Aug	Thu	4:20 - 5:35	Vector Spaces	1 - 18
3-Sep	Tue	4:20 - 5:35	Operators, Eigenvalues, Eigenfctns	18 - 54
5-Sep	Thu	4:20 - 5:35	Infinite Dimensions	54 - 73
10-Sep	Tue	4:20 - 5:35	Review of Classical Physics	75 - 90
12-Sep	Thu	4:20 - 5:35	Electromagnetism	83, 90, 492
17-Sep	Tue	4:20 - 5:35	Transformations and Symmetry	91 - 105
19-Sep	Thu	4:20 - 5:35	Not all is well with Classical Mechanics	107 - 113
24-Sep	Tue	4:20 - 5:35	The Postulates	115 - 143
26-Sep	Thu	4:20 - 5:35	The Schrödinger Equation	143 - 150
1-Oct	Tue	4:20 - 5:35	Simple Problems, Uncertainty Relation	151 - 167
3-Oct	Thu	4:20 - 5:35	Motion in 1 Dimension	237 - 246
8-Oct	Tue	4:20 - 5:35	Particle in a Box	179 - 184
10-Oct	Thu	4:20 - 5:35	MIDTERM EXAM (in-class)	
15-Oct	Tue	No class	<i>Fall Break</i>	
17-Oct	Thu	4:20 - 5:35	Classical limit, probability current	
22-Oct	Tue	4:20 - 5:35	Harmonic Oscillator	185 - 196
24-Oct	Thu	4:20 - 5:35	Harmonic Oscillator cont'd	197 - 218
29-Oct	Tue	4:20 - 5:35	Symmetries	279 -
31-Oct	Thu	4:20 - 5:35		- 304
5-Nov	Tue	4:20 - 5:35	Angular Momentum	305 -
7-Nov	Thu	4:20 - 5:35		- 354
12-Nov	Tue	4:20 - 5:35	Hydrogen Atom	353 -
14-Nov	Thu	4:20 - 5:35		- 372
19-Nov	Tue	4:20 - 5:35	Spin	373 - 401
21-Nov	Thu	4:20 - 5:35	Angular Momentum addition	
26-Nov	Tue	4:20 - 5:35	Review and Summary	403 - 427
28-Nov	Thu	No class	<i>Thanksgiving Holiday</i>	
3-Dec	Tue	4:20 - 5:35		
5-Dec	Thu	4:20 - 5:35		
10-Dec	Tue	3:45 - 6:45	FINAL EXAM (online)	