Physics 5383, Qunatum Mechanics
Course Syllabus
Spring 2011

	Date	Lecture Topic	Text Reading	Homework
1	1/24	Review. Two State Systems	Chaps. 1-4	
2	1/26	Symmetry Transformations		
3	1/31	Addition of Angular Momentum	Sectn 5.3	
4	2/2	Density Matrix	Sectn. 5.7	
5	2/7	Continous Eigenvalues	Chapter 6	
6	2/9	Translations and Momentum		
7	2/14	Shrodinger Equation 1-d		
8	2/16	Particle in a Box		
9	2/21	Scattering in 1-d		
10	2/23	The Harmonic Oscillator	Chapter 7	
11	2/28			
12	3/2	The Path Integral	Chapter 8	
13	3/7			
14	3/9	EXAM I (Chapters 5-7)		
15	3/14	SPRING BREAK		
16	3/16			
17	3/21	Quantum Mechanics in 3-d	Chapter 9	
18	3/23			
19	3/28	Bound State Solutions	Chapter 10	
20	3/30			
21	4/4			
22	4/6	EXAM II (Chapters 8-10)		
23	4/11	Time Independent Pertubation Theory	Chapter 11	
24	4/13			
25	4/18	Identical Particles	Chapter 12	
26	4/20			
27	4/25	Scattering	Chapter 13	
28	4/27			
29	5/2	Photons and Atoms	Chapter 14	
30	5/4			
31				
FINAL EXAM: Thursday 11 May 2017, 3-6 pm				