

Class Schedule:	Lecture	Reading
Wed, Sep. 3	#1	Introduction
Fri. Sep. 5	#2	1.1 The Schrödinger Equation 1.2 The Statistical Interpretation 12.4 Schrödinger's Cat
Mon. Sep. 8	#3	1.3 Probability 1.4 Normalization
Wed. Sep. 10	#4	1.5 Momentum 1.6 The Uncertainty Principle
Fri. Sep. 12	#5	2.1 Stationary States until p. 26 2.4 The Free Particle
Mon. Sep. 15	#6	2.4 The Free Particle
Wed. Sep. 17	No Class (Instructor at conference)	
Fri. Sep. 19	#7	2.1 Stationary States
Mon. Sep. 22	#8	2.2 The Infinite Square Well
Wed. Sep. 24	#9	2.3 Intro+2.3.2 The Harmonic Oscillator
Fri. Sep. 26	#10	2.3.1 The Harmonic Oscillator
Mon, Sep. 29	#11 Review	
Wed, Oct. 1	No Class	Exam I Wed.-Thurs.
Fri, Oct. 3	#12	2.5 The Delta Function Potential
Mon, Oct. 6	#13	2.6 The Finite Square Well
Wed, Oct. 8	#14	A.1 Vectors A.2 Inner Products A.3 Matrices A.4 Changing Bases
Fri, Oct. 10	#15	3.1 Hilbert Space 3.2 Observables
Mon. Oct. 13	#16	A.5 Eigenvectors and Eigenvalues A.6 Hermitian Transformations
Wed. Oct. 15	#17	3.3 Eigenfunctions of a Hermitian Operator
Fri. Oct. 17	#18	3.4 Generalized Statistical Interpretation
Mon. Oct. 20	#19	3.5.1-2 The Uncertainty Principle
Wed. Oct. 22	#20	3.5.3 The Uncertainty Principle
Fri. Oct. 24	#21	3.6 Dirac Notation
Mon. Oct. 27	#22 Review	
Wed. Oct. 29	No Class	Exam II Wed.-Thurs.
Fri. Nov. 31	#23	4.1.1-2 Schrödinger Equation in Spherical Coordinates
Mon. Nov. 3	#24	4.1.3 Schrödinger Equation in Spherical Coordinates
Wed. Nov. 5	#25	4.2 The Hydrogen Atom
Fri. Nov. 7	#26	4.1-4.2 The Hydrogen Atom
Mon. Nov. 10	#27	4.3.1 Angular Momentum
Wed. Nov. 12	#28	4.3.2 Angular Momentum
Fri. Nov. 14	#29	4.4.1 Spin
Mon. Nov. 17	#30	4.4.2 Spin
Wed. Nov. 19	#31	4.4.3 Spin
Fri. Nov. 21	#32 Review	Exam III Fri.-Tues.
Mon. Nov. 24	#33	5.1.1 Two Particle Systems
Tues. Nov. 25	No Class	
Mon. Dec. 1	#34	5.1.2 Two Particle Systems
Wed. Dec. 3	#35	5.2 Atoms
Fri. Dec. 5	#36	12.1 The EPR Paradox 12.2 Bell's Theorem
Mon. Dec. 8	#37	12.2 Bell's Theorem 12.3 The No-Clone Theorem
Wed. Dec. 10	#38 Review	
Tues. Dec. 16		Final Exam: In Classroom 7:00AM-10:00AM