

Week	Monday	Tuesday	Wednesday	Thursday	Friday
1. Aug 26-30	Wave properties of matter		Probability 1		No Class
2. Sept. 2-6	Labor Day	Probability 2	Hilbert Spaces		Orthogonal functions
3. Sept. 9-13	Sturm-Liouville Eq.	Measurements	Properties of waves		Schrodinger eq. of a free particle
4. Sept. 16-20	Operator algebra	Review	The Uncertainty Principle		Matrix Mechanics 1
5. Sept. 23-27	Matrix Mechanics 2	Review	Hour Exam 1		Particle in Box 1
6. Sept. 30-Oct. 4	Particle in Box 2	Review	Scattering from potential step		particle in a well
7. Oct. 7-11	No Class	No Class	Quantum mechanical flux		Harmonic Oscillator 1
8. Oct. 14-18	Harmonic Oscillator 2	Anharmonic Oscillator and Polyatomic vibrations	Wave Packets		The Rigid Rotor
9. Oct. 21-25	Angular Momentum Eigenfunctions 1	Review	Angular Momentum Eigenfunctions 2		Ladder Operators
10. Oct. 28-Nov. 1	The Radial equation	Review	Hydrogen Atom 1		Hydrogen Atom 2
11. Nov. 4-8	Hour Exam 2	Review	Perturbation Theory 1		Perturbation Theory 2
12. Nov. 11-15	Variational Theorem 1		Variational Theorem 2		
13. Nov. 18-22					
14. Nov. 25-29					Thanksgiving
15. Dec. 2-6					

16. Dec. 9-13		FINAL			
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