

February
2002

January

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		1	2	3	4	5
6	7	8	9	10	11	12
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March

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April

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Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
3	4	5	6 PS 1 out 11 AM 8059 Lecture 1: cgs and Natural Units	7	8	9
10	11 PS 2 out 11 AM 8059 Lecture 2: Non-degenerate perturbation theory and examples	12	13 11 AM 8059 Lecture 3: Degenerate perturbation theory and examples	14 PS 1 in	15	16
17	18	19 PS 3 out 11 AM 8059 Lecture 4: Applications of pert. theory	20 PS 1 back 11 AM 8059 Lecture 5: Variational method	21 PS 2 in	22	23
24	25 PS 4 out 11 AM 8059 Lecture 6: End variational method; begin Semiclassical Method	26	27 PS 2 back 11 AM 8059 Lecture 7: Semi-classical method; begin Feynman Sum over Histories	28 PS 3 in		

March

2002

February

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April

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May

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Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
					1	2
3	4 PS 5 out 11 AM 8059 Lecture 8: End Feynman path integral; begin Scattering: general considerations	5	6 PS 3 back 11 AM 8059 Lecture 9: Scattering: general; phase shifts; begin low energy	7 PS 4 in	8	9
10	11 PS 6 out 11 AM 8059 Lecture 10: Scattering: low energy phenomena	12	13 PS 4 back 11 AM 8059 Lecture 11: Scattering: Born approximation & applications	14 PS 5 in	15	16
17	18 PS 7 out 11 AM 8059 Lecture12: Time dependent perturbation theory	19	20 PS 5 back 11 AM 8059 Lecture 13: Time dependent perturbations, Fermi's Golden Rule and applications 7 PM MIDTERM	21 PS 6 in	22	23
24	25	26	27	28	29	30
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April
2002

March

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May

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June

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Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
	1 PS 8 out 11 AM 8059 Lecture 14: Quantum Computing: Guest lecture Prof. Farhi	2	3 PS 6 back 11 AM 8059 Lecture 15: Quantum Computing: Guest lecture Prof. Farhi	4 PS 7 in	5	6
7	8 PS 9 out 11 AM 8059 Lecture 16: Particle in a magnetic field: Landau levels	9	10 PS 7 back Paper Proposal Due 11 AM 8059 Lecture 17: Landau levels. Adiabatic approximation	11 PS 8 in	12	13
14	15 PS 10 out	16	17 PS 8 back 11 AM 8059 Lecture 18: Adiabatic approximation: Bohm Aharonov effect	18 PS 9 in	19	20
21	22 PS 11 out 11 AM 8059 Lecture 19: Adiabatic approximation: Born-Oppenheimer & Quantum Adiabatic Phase	23	24 PS 9 back First Draft of Paper Due 11 AM 8059 Lecture 20: Periodic potentials, Bloch waves, Landauer Conductance	25 PS 10 in	26	27
28	29 11 AM 8059 Lecture 21: Expansion	30				

May
2002

April

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June

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July

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Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			1 PS 10 back 11:30 AM 8059 Lecture 22: Matter at High Densities: Fermi Gas	2 PS 11 in	3	4
5	6 11 AM 8059 Lecture 23: Fermi gas dynamics	7	8 Final Draft of Paper Due PS 11 back 11 AM 8059 Lecture 24: White dwarfs and neutron stars	9	10	11
12	13 11 AM 8059 Lecture 25: Greens functions and surface tension in fermi gases	14	15 11 AM 8059 Lecture 26: Thomas Fermi approximation and heavy atoms	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	