

Tentative Schedule QuMech II

Date	Day	Time	Topic	Pages Shankar	HW Set Due
15-Jan	Tue	5:45 - 7:00	Statistics	125-133, 392-397	
17-Jan	Thu	5:45 - 7:00	Density Matrix	133 - 134	
22-Jan	Tue	5:45 - 7:00	Representation of Multi-particle States	141-143;247-260	1
24-Jan	Thu	5:45 - 7:00	Entanglement and all that	Griffiths	
29-Jan	Tue	5:45 - 7:00	Identical Particles: Bosons and Fermions	260 - 278	2
31-Jan	Thu	5:45 - 7:00	Multi-Fermion Systems	369-371; Griffiths	
5-Feb	Tue	5:45 - 7:00	Symmetries: Parity, particle exchange,...	297-303	3
7-Feb	Thu	5:45 - 7:00	Symmetries: Irreducible tensors, W-E theorem	416 - 427	
12-Feb	Tue	5:45 - 7:00	Classical Limit	179 - 184	4
14-Feb	Thu	5:45 - 7:00	Wigner function	extra	
19-Feb	Tue	5:45 - 7:00	WKB method	435-438, 444-449	5
21-Feb	Thu	5:45 - 7:00	Path integral method	223 - 235	
26-Feb	Tue	5:45 - 7:00	Path integral method	438 - 444	6
28-Feb	Thu	5:45 - 7:00	Variational method	429 - 435	
5-Mar	Tue	5:45 - 7:00	Time-independent Perturbation Theory	451 - 464	7
7-Mar	Thu	5:45 - 7:00	MIDTERM EXAM (in-class)		
12-Mar	Tue	No class	<i>Spring Break</i>		
14-Mar	Thu	No class	<i>Spring Break</i>		
19-Mar	Tue	5:45 - 7:00	Time-independent Perturbation Theory	464 -	
21-Mar	Thu	5:45 - 7:00	Time-independent Perturbation Theory	- 471	
26-Mar	Tue	5:45 - 7:00	Time-dependent Perturbation Theory	473 -	8
28-Mar	Thu	5:45 - 7:00	Time-dependent Perturbation Theory	483	
2-Apr	Tue	5:45 - 7:00	Time-dependent Perturbation Theory	484-491	9
4-Apr	Thu	5:45 - 7:00	Time-dependent Perturbation Theory	492 -	
9-Apr	Tue	5:45 - 7:00	Time-dependent Perturbation Theory	-506	
11-Apr	Thu	5:45 - 7:00	Scattering Theory	167 - 175	10
16-Apr	Tue	5:45 - 7:00	Scattering Theory	523 - 529, 545ff	
18-Apr	Thu	5:45 - 7:00	Scattering Theory	545 - 555	
23-Apr	Tue	5:45 - 7:00	Scattering Theory	529 - 534 ff	11
25-Apr	Thu	5:45 - 7:00	Outlook: Rel. QM, 2nd quantization, QFTh	563 - 653	
30-Apr	Tue	5:45 - 7:00	Review and Summary		
7-May	Tue	3:45 - 6:45	FINAL EXAM (in-class)		