

Week	Wednesday	Friday	Problem Classes
1	1 Intro and the Basics of QM	2 Tunnelling Simple Barriers	Sheet 1: PHYS20101, Wk1, L1 Sheet 2: Wks 1-3, L2-6
2	3 Tunnelling and WKB	4 Resonant Tunnelling	
3	5 Trapped Particles and Nanocubes	6 Quantum Dots	
4	7 Conductance of Quantum Dots	8 Orthogonality and Dirac Notation	
5	9 Perturbation Theory	10 Quantum Wires	
6	STUDY WEEK		
7	11 Angular Momentum	12 Spin	Sheet 3: Wks 4-5, L7-10
8	13 Magnetic Moments	14 Adding Angular Momenta	Sheet 4: Wks 7-8, L11-14
9	15 Other Two-State Systems	16 Manipulating Spins	
10	17 Spin-Orbit Coupling	18 Zeeman Effect	Sheet 5: Wks 9-10, L15-18
11	19 Entanglement, Identical Particles	20 Quantum Key Distribution	
12	21 Quantum Teleportation & Computing	22 A Christmas Lecture PLUS Q&A	
		Additional Problem Sheets:	Sheet 6: Wks 11-12, L19-21 Sheet 7: Revision