Physics 5455: Quantum Mechanics I

Spring 2015

Tentative Syllabus

Jan 21-23:	review of classical mechanics
Jan 26 - Feb 6:	introduction to QM (Schwabl ch 2)
Feb 9-20:	mathematical aspects, bra/ket, pictures (Schwabl ch 8)
Feb 23, 27, Mar 2:	one-dimensional examples (Schwabl ch 3)
Feb 25:	Test 1
Mar 4-6, 16-20:	more one-dimensional examples (Schwabl ch 3)
(Mar 9-13:	Spring break)
Mar 23-27:	angular momentum (Schwabl ch 5)
Mar 30:	Test 2
Apr 1-10:	three-dimensional examples (Schwabl ch 5-7)
Apr 13-24:	spin, angular momentum (Schwabl ch 9-10)
Apr 27 - May 6:	more three-dimensional examples (Schwabl ch 17)
May 8:	Final exam

All dates are approximate; time spent on any topic will be adjusted to the backgrounds of the enrolled students.