The syllabus of the Course 624  
Quantum Mechanics 2  
Spring 2009.  
Instructor V.L. Pokrovsky.

3. Addition of angular momenta.
7. Propagators and path integrals.
8. Quantum interference phenomena: gravitational interference, Aharonov-Bohm effect, Aharonov-Casher effect.

Principal textbook: E. Merzbacher, Quantum Mechanics, 3-d edition, Wiley & sons. Additional recommended textbooks are: Landau and Lifshitz, Quantum Mechanics, Pergamon or Addison-Wesley; Sakurai, Modern Quantum Mechanics, 2-nd edition, Addison-Wesley. Some lecture notes are placed on personal Pokrovsky website, which can be reached through Physics website, Faculty, Pokrovsky.

12 homework assignments will be delivered each Tuesday. They are due Thursday next week. 2 exams are planned: midterm in March before the spring break, the final exam in May. The grades will be equally distributed between the homework assignments and 2 exams. The grade A requires the score more or equal to 90%, the grade B will be given for the score between 80 and 90%, the grade C for between 60 and 80%.

Office hours: Tuesday and Thursday from 12.30 to 1.30 pm or by appointment. The office number is 416. E-mail address is: pokrovsky@physics.tamu.edu