PHYSICS 851  
Quantum Mechanics I  
Fall 2001  
Professor Vladimir Zelevinsky

Lectures: Monday, Wednesday, Friday 10:20 - 11:10, Room 317 PA  
Office hours: Tuesday 1:00 - 3:00 or by appointment, Room 202 Cyclotron;  
Phone 333-6331; e-mail ZELEVINSKY@nscl.msu.edu  
Textbook: E. Merzbacher, Quantum Mechanics, third edition  
Grading: Homework 30% (assigned every week on Wednesday), Quizzes 10%,  
Midterm exam 20% (end of October), Final exam 40%.

Tentative program:

1. Foundations of quantum mechanics. [Chapter 1]  
2. Wave function, superposition principle. Coordinate and momentum representation. Uncertainty relation. Motion and spreading of the wave packet. [Chapters 2,3]  