Questionnaire
Physics 4803
Introduction to Quantum Mechanics II
Fall 2012

Name (optional):_____
Major:_____
Year in program:_____
Previous physics courses:_____
Concurrent physics courses:_____
Previous math courses:_____
Concurrent math courses:_____

Please list on the following list of topics whether you have previously studied this subject. Also note any subject you would particularly like to see covered in this course.

TOPIC	PREVIOUSLY STUDIED	LIKE TO COVER IN THIS COURSE
Wavefunctions		
Schrödinger's equation		
States and vectors		
Dirac notation		
Transformation functions		
Unitary transformations		
Heisenberg's uncertainty principle		
Hamiltonians and Lagrangians in classical mechanics		
Principles of least action, stationary action		
Linear operators, eigenvalues and eigenfunctions		
Quantum harmonic oscillator		
Raising and lowering operators		
Angular momentum		
Hydrogen atom		
Ordinary differential equations		
Partial differential equations, separation of variables		
Perturbation theory		
Fermions and Bosons		
Other topics (please list)		

Any other comments, for example, about expectations from this course?