PHYS 852 Quantum Mechanics II  
Spring Quarter 2010

Class Hours: MWF 12:40 PM to 1:30 PM  
Class Location: 1420 BPS  
Textbook: Quantum Mechanics, Volume Two, Claude Cohen-Tannoudji  
Webpage: http://www.pa.msu.edu/~mmoore/852.html

Instructor: Prof. Michael Moore  
Office: 4230 BPS  
Office Hours: Friday 1:30 PM to 3:30 PM  
E-mail: mmoore@pa.msu.edu

GRADING POLICY:  
Grades will be based on HW and two Exams.  
The weight will be 40% HW, and 60% Exams.  
HW will be assigned on Mondays, due the following Monday at the start of class.  
Late HW will not be accepted.  
HW and solutions will be distributed via the Web-page.

Tentative Schedule:

- Week 1: 1/11-1/15 Quantum Statistical Mechanics.
- Week 2: 1/20-1/22 Unitary Transformations.
- Week 4: 2/1-2/5 Addition of Angular Momentum.
- Week 8: 3/1-3/5 Wigner-Eckert Theorem and the Zeeman Effect.
- EXAM I: 1 hour, in-class
- Week 9: 3/15-3/19 Scattering Theory I: Green’s Function.
- Week 12: 4/5-4/9 Heisenberg Picture.

• FINAL/SUBJECT EXAM: (TENTATIVE) Wed. 5/5 3:00 PM TO 6:00 PM, 3 hours. Location: TBD.