

Syllabus

Quantum Mechanics II – PHY 568

Fall 2008

Basic Information

Instructor:

Joseph Schechter, Rm 315, x5968

Email: schechte@phy.syr.edu

Class Meetings:

Tuesday, Thursday 12:30-1:50 Rm B129W

Office Hours & possible extra meeting:

To be decided based on mutual convenience

Required Text:

D. Griffiths "Introduction to Quantum Mechanics",
2nd edition

Reference Texts:
(on reserve in the library)

C. Cohen-Tannoudji, B. Diu and F. Laloe
"Quantum Mechanics" (Vols. I and II).

L.D. Landau and E.M. Lifshitz, "Quantum
Mechanics, non-relativistic theory"

E. Merzbacher, "Quantum Mechanics"

J.J. Sakurai, "Modern Quantum Mechanics"

Course Description

It will be assumed that the student is acquainted with the material in the first 4 chapters plus the appendix of Griffiths. This will be briefly reviewed at the beginning of the course. The main part of the course will cover much of the rest of Griffiths.

The course will (as the text does) emphasize "learning by doing". Problems will be assigned each week. Students should be prepared to hand them in and possibly explain them to the class.

Grading

Mainly based on performance on assigned problems.