PHYS 354 Introduction to Quantum Physics Spring 2005

Class times: MW 3:00-4:20pm Location: 318 WIL

Instructor: Miriam Deutsch Office: 275 WIL Tel: 6-5973
Office hours: Fri 10-12 If you cannot make it during this time drop in at your convenience or make an appointment. Email: miriamd@uoregon.edu

TA: NONE

Course text and Outline
The required text is Essential Quantum Physics by Landshoff, Metherell, Rees (Cambridge 1997.) I will at times resort to other books, which I will point you towards when necessary. Those books will be put on reserve in the library. One text, which you may find useful in its detail, is Introductory Quantum Mechanics by Liboff. Another well-written text is Introduction to Quantum Mechanics by Griffiths. Both are more detailed than our text and have an excellent collection of problems (remember – practice makes perfect.) Besides those Feynman’s Lectures on Physics III is always great to read.
The course will attempt to give a brief overview of fundamental concepts of quantum mechanics. We will follow the text closely, covering chapters 1-5 and 8-10.

Homework
Homework will be assigned weekly and will be collected the following week. I will also hand out solutions. It is important you review them, as they might hold additional information to what we do in class. You can regard them as supplementary notes. You should always make the effort to submit your assignments on time. Homework submitted late will be dealt with on a case-by-case basis.

Course web site: http://blackboard.uoregon.edu/
You will need to check this regularly for announcements, homework and handouts.
Grade determination:

Homework – 30%
Quiz 1 (TBA) – 15%
Quiz 2 (TBA) – 15%
Final – 40% (Thursday, June 9, 3:15pm, WIL 318)