

PHYSICS 5382

Introduction to Quantum Mechanics

FALL 2007

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- OFFICE HOURS Wednesdays 3-5 pm, and by arrangement.
- TEXT *Introduction to Quantum Mechanics* by David J. Griffiths, Prentice Hall, 2nd edition.
- GRADING The final course grade will be determined as follows. Homework 50%, exams 50%.
- HOMEWORK Although homework is graded you are encouraged to help each other out and discuss the problems among yourselves. However, everyone should do their write-up individually. You will learn physics more effectively through discussion. Late homework will not be accepted.
- EXAMS There will be three partial exams. The tentative schedule is: Exam #1 on September 27, 2007; Exam #2 on October 25, 2007 , Exam #3 on December 4, 2007.

Useful References

1. R.P. Feynman, R.B. Leighton, and M. Sands, "The Feynman Lectures on Physics" (Quantum Mechanics), VOL. III, Addison-Wesley, 1966.
2. R. L. Liboff, "Introductory Quantum Mechanics", 2nd ed., Addison-Wesley, New York, 1992.
3. J. Baggot, "The Meaning of Quantum Theory", Oxford Science Pub., New York, 1992.
4. D. Park, "Introduction to the Quantum Theory", 2nd ed., McGraw-Hill, New York, 1974.
5. S. Gasiorowicz, "Quantum Physics", Wiley, New York, 1974.

6. P.A.M. Dirac, "The Principles of Quantum Mechanics", 4th ed., McGraw-Hill, New York, 1958.
7. M. Jammer, "The Conceptual Development of Quantum Mechanics", McGraw-Hill, New York, 1966.
8. W. H. Cropper, "The Quantum Physicists and an Introduction to Their Physics", Oxford University Press, New York, 1970.
9. A. Pais, "Inward Bound", Chapter 12, Oxford University Press, New York, 1986.
10. A. Pais, "Subtle is the Lord", Chapter VI, Oxford University Press, New York, 1982.