

Physics 6140  
Fall 2009  
D. G. Ellis  
***Books for reference***

There is no *required* textbook for this course. However, if you have no “Modern Physics” book, and you have not had a “Modern Physics” course, then you might want to get the

recommended textbook

Kenneth Krane, ***Modern Physics***, 2nd ed. (Wiley 1996) ISBN 0-471-82872-6

or the essentially equivalent

Tipler and Llewellyn, ***Modern Physics***, 5th ed. (Freeman 2008) ISBN 0-7167-7550-6

Other books which might be useful include:

- Beiser, ***Concepts of Modern Physics*** (6th ed., McGraw Hill, 2003)
- Bernstein, Fishbane and Gasiorowicz, ***Modern Physics*** (Prentice-Hall, 2000)
- Eisberg and Resnick, ***Quantum Physics*** (2nd ed., Wiley, 1985)
- Fermi, ***Notes on Quantum Mechanics*** (2nd ed., University of Chicago Press, 1995)
- Gasiorowicz, ***Quantum Physics*** (3rd ed., Wiley, 2003)
- Griffiths, ***Introduction to Quantum Mechanics*** (Prentice-Hall, 1995)
- Haken and Wolf, ***The Physics of Atoms and Quanta***, (6th ed., Springer, 2000)
- Halliday, Resnick and Walker, ***Fundamentals of Physics, Part 5***, (Wiley, 2008)
- Kittel, ***Thermal Physics*** (Wiley, 1969)
- Liboff, ***Introductory Quantum Mechanics*** (3rd ed., Addison Wesley, 1998)
- Woodgate, ***Elementary Atomic Structure*** (2nd ed., Oxford, 1983)