DEPARTMENT OF PHYSICS
FALL 2009 TESTBOOK LIST
8/18/09

7A: 1 & 2 BOGGS, S & RAMESH, R

REQ {{Custom made package consisting of:
Giancoli *PHYSICS FOR SCIENTISTS & ENGINEERS*, Vol. 1, 4th Ed., Pearson
MASTERING PHYSICS, STUDENT ACCESS KIT, Prentice Hall
U.C. BERKELEY PHYSICS 7A HANDBOOK}}
REC Elby *THE PORTABLE T.A., A PHYSICS PROBLEM SOLVING GUIDE, Vol. 1*
Prentice Hall

H7A: BUDKER, D

REQ French *VIBRATIONS & WAVES*, 1971, Norton
REQ Kleppner *INTRO TO MECHANICS*, 1973, McGraw-Hill

7B: 1 & 2 & 3 McKEE, C & LEE, A

REQ {{Custom made package consisting of:
Giancoli *PHYSICS FOR SCIENTISTS & ENGINEERS*, Vol. 2, 4th Ed., Pearson
MASTERING PHYSICS, STUDENT ACCESS KIT, Prentice Hall
U.C. BERKELEY PHYSICS 7B HANDBOOK}}
REQ Elby *THE PORTABLE T.A., A PHYSICS PROBLEM SOLVING GUIDE, Vol. 2*
Prentice Hall

H7B: SIDDIQI, I

REQ Purcell *ELECTRICITY & MAGNETISM* (Berkeley Physics Course), Vol. 2, 2nd Ed., 1985, McGraw-Hill
REC Feynman *FEYNMAN LECTURES, MAINLY MECHANICS, RADIATION and HEAT*, *Vol. 1,2nd Ed., 2005, Addison Wesley*

7C: MOORE, J

REQ Giancoli *PHYSICS FOR SCIENTISTS & ENGINEERS* Vol. 3, 3rd Ed., (custom made), Pearson
REQ Tipler *MODERN PHYSICS*, 5th Ed., 2008, Freeman/VHPS
REQ *WEBASSIGN*, Student Access Code Card (College Semester), Webassign

---

H7C: WANG, F

REQ Bennett *PRINCIPLES OF PHYSICAL OPTICS*, 2008, Wiley
REQ Serway *MODERN PHYSICS*, 3rd Ed., 2005, Thompson/Brooks Cole.

8A: 1 & 2 HEINEMANN, B & DEWEESE, W

REQ {{Essential Univ. Physics (Vol. 1) Wolfson Package consisting of:
Wolfson *PHYSICS 8A STUDENT LEARNING HANDBOOK*, Pearson
ESSENTIAL UNIV. PHYSICS (Vol. 1)
MASTERING PHYSICS STUDENT ACCESS KIT, Prentice Hall}}
REC Halliday *FUNDAMENTALS OF PHYSICS, Vol. 1, 8TH Ed., 2006, Wiley*

8B: 1 & 2 BORDEL, C & ZETTL, A

REQ {{Essential Univ. Physics (Vol. 2) Wolfson Package consisting of:
Wolfson *PHYSICS 8B STUDENT LEARNING HANDBOOK*, Pearson
ESSENTIAL UNIV. PHYSICS (Vol. 2)
MASTERING PHYSICS STUDENT ACCESS KIT, Prentice Hall}}

C10: MULLER, R

REQ	Muller	*PHYSICS FOR FUTURE PRESIDENTS*, Spring 2009 Ed., Primis

24.1: Jacobson, R
24.2: Sadoulet, B **Pending!**

105: 2 WHITE, M

REQ	Taylor	*CLASSICAL MECHANICS*, 2005, University Science Books Sausalito

110A: QIU, Z

REQ	Griffiths	*INTRODUCTION TO ELECTRODYNAMICS*, 3rd Ed., 1999, Prentice Hall

110A: 2 QIU, Z

REQ	Griffiths	*INTRODUCTION TO ELECTRODYNAMICS*, 3rd Ed., 1999, Prentice Hall

110B: KERTH, L

REQ	Griffiths	*INTRODUCTION TO ELECTRODYNAMICS*, 3rd Ed., 1999, Prentice Hall

111: 1 HOLZAPFEL, W

REQ	Horowitz	*ART OF ELECTRONICS*, 2nd Ed., 1989, Cambridge University Press
REC	Sedra	*MICROELECTRONIC CIRCUITS* (W/ CD), 5th Ed., 2004, Oxford University Press

111: 2 LUK, K & ORENSTEIN, J

REQ	Melissinos	*EXPERIMENTS IN MODERN PHYSICS*, 2nd Ed., 2003, Academic Press
REQ	Taylor	*INTRODUCTION TO ERROR ANALYSIS*, 2nd Ed., 1997, University Science Books

112: 1 SELJAK, U

REQ	Kittel	*THERMAL PHYSICS*, 2nd Ed., 1980, Freeman

129: NOMURA, Y

REQ	Griffiths	*INTRO TO ELEMENTARY PARTICLES*, 2nd Ed., 2008, Wiley

137A: 1 SOUZA, I

REQ	Bransden	*QUANTUM MECHANICS*, 2nd Ed., 2000, Prentice Hall

137A: 2 BOUSSO, R

REQ	Griffiths	*INTRODUCTION TO QUANTUM MECHANICS*, 2nd Ed., 2005, Prentice Hall

137B: 1 LEE, D

REQ	Bransden	*QUANTUM MECHANICS*, 2nd Ed., 2000, Prentice Hall

141A: LOUIE, S

REQ	Kittel	*INTRODUCTION TO SOLID STATE PHYSICS*, 8th Ed., 2005, Wiley
REC	Ashcroft	*SOLID STATE PHYSICS, 1976,1ST ED., Thompson/Brooks Cole Publishing*

C191: WHALEY, B

REC	Benenti	*PRINCIPLES OF QUANTUM COMPUTATION* (V.1 BASIC CONC), World Scientific
REC	Benenti	*PRINCIPLES OF QUANTUM COMPUTATION AND INFORMATION (V. 2 BASIC TOOLS & SPECIAL TOPICS*), World Scientific
REC	Kaye	*AN INTRODUCTION TO QUANTUM COMPUTING,* 1st Ed., 2007, Oxford University Press

205B KNOBLOCH, E

	Wiggins	*INTRODUCTION TO APPLIED NONLINEAR DYNAMCIAL SYSTEMS AND CHAOS-TEXTS IN APPLIED MATHEMATICS, 2003, Springer*

209: GANOR, O

REQ	Jackson	*CLASSICAL ELECTRODYNAMICS*, 3rdEd., 1999, Wiley

221A: COMMINS, E

REQ	J.J. Sakurai	*MODERN QUANTUM MECHANICS*, 1994, 2ND.Ed Addison Wesley

226: KOLOMENSKY, Y

REC	Halzen	*QUARKS & LEPTONS: AN INTRODUCTORY COURSE IN MODERN PARTICLE PHYSICS,* 1984, Wiley
REC	Donoghue	*DYNAMICS OF THE STANDARD MODEL, 1992,* Cambridge University Press
REC	Perkins	*INTRODUCTION TO HIGH ENERGY PHYSICS, 2000,* Cambridge University Press

232A: MURAYAMA, H

REQ	Peskin	*AN INTRODUCTION TO QUANTUM FIELD THEORY*, Perseus

233B: HALL, L

No Textbook Required

234B: HORAVA, P

REQ	Becker	*STRING THEORY AND M-THEORY*, Cambridge University Press
REC	Polchinski	*STRING THEORY* (V1), 2005, Cambridge University Press
REC	Polchinski	*STRING THEORY* (V2), 2005, Cambridge University Press

238 MUELLER, H

REQ	Metcalf	*LASER COOLING AND TRAPPING*, 1999, Springer
REQ	Hobbs	*BUILDING ELECTRO-OPTICAL SYSTEMS*, Wiley, New York

240A: COHEN, M

REC	Anderson	*CONCEPTS OF SOLIDS: LECTURES ON THE THEORY OF SOLIDS,* 1998, World Scientific
REC	Ashcroft	*SOLID STATE PHYSICS*, 1976, Thompson/Brooks Cole
REC	Kittel	*QUANTUM THEORY OF SOLIDS*, 2nd Rev., 1987, Wiley
REC	Kittel	*INTRODUCTION TO SOLID STATE PHYSICS*, 8th Ed., 2005, Wiley
REC	Patterson	*SOLID-STATE PHYSICS: INTRO TO THE THEORY, 2007,* Springer
REC	Marder	*CONDENSED MATTER PHYSICS*, 2000, Wiley
REC	Madelung	*INTRODUCTION TO SOLID STATE THEORY*, Springer
REC	Yu	*FUND OF SEMICONDUCTORS,* 3rd Ed., 2001, Springer
REC	Ziman	*PRINCIPLES OF THEORY OF SOLIDS*, 2nd Ed., 1972, Cambridge University Press

242A WURTELE, J

REQ	Bellans	*FUNDAMENTALS OF PLASMA PHYSICS*, 2006, Cambridge University Press

250: YILDEZ, A

No Textbook Require

251: LIPHARDT, J

No Textbook Required

C285: QUATAERT, E

No Textbook Require

300: SADOULET, B

REQ	Redish	*TEACHING PHYSICS WITH PHYSICS SUITE*, 2003, Wiley