

DEPARTMENT OF PHYSICS - Spring 2003 TEXT LIST

June 5, 2006

7A. 1-3 - Stahler, S. & Zettl, A.

- REQ Giancoli, PHYSICS FOR SCIENTISTS & ENGINEERS, V. 1, 3rd ed., 2000, Prentice-Hall
REQ Elby, PORTABLE TA PROBLEM SOLVING GUIDE, V.1, Prentice Hall
-

H7A – Richards, P.

- REQ Kleppner, D & Kolenkow, AN INTRODUCTION TO MECHANICS, '73, McGraw- Hill
REC French, VIBRATIONS AND WAVES, Norton
REC French, NEWTONIAN MECHANICS, Norton
-

7B. 1 - Luk, K.

- REQ Giancoli, PHYSICS FOR SCIENTISTS AND ENGINEERS, V. 1 & 2 w/Modern Physics, 3rd ed., 2000, Prentice-Hall
REQ Elby, PORTABLE TA PROBLEM SOLVING GUIDE, V.2, Prentice Hall

7B. 2 - Dalven, R.

- REQ Giancoli, PHYSICS FOR SCIENTISTS AND ENGINEERS, V. 1 & 2, 3rd ed., 2000, Prentice-Hall
REQ Elby, PORTABLE TA PROBLEM SOLVING GUIDE, V.2, Prentice Hall
REC Spiegel, MATHEMATICAL HANDBOOK: SCHAUM'S OUTLINE SERIES, McGraw Hill
-

H7B – Kolomensky, Y

- REQ Purcell, EM, BERKELY PHYSICS COURSE: ELECTRICITY & MAGNETISM, V. 2, 2ND ed., '85, McGraw-Hill
-

7C. 1 & 2 - Cohn, J & Orenstein, J.

- REQ Giancoli, PHYSICS FOR SCIENTISTS AND ENGINEERS, V. 2, 3rd ed., 2000, Prentice Hall
7C LAB MANUAL to be purchased
-

H7C – Shen, Y.R.

- REQ Serway, MODERN PHYSICS, 2ND ed., 1997, Harcourt Brace
REQ Fowles, INTRO TO MODERN OPTICS, 2nd edition, Dover
REC Hecht, OPTICS, Addison-Wesley
REC Feynman, FEYNMAN LECTURES IN PHYSICS, v. 3, Addison-Wesley
REC Blatt, MODERN PHYSICS, McGraw Hill
REC Einsberg & Resnick, QUANTUM PHYSICS OF ATOMS, MOLECULES, SOLIDS, NUCLEI AND PARTICLES, Wiley
7C LAB MANUAL to be purchased
-

8A. 1-2 – Jacobsen, R. & Falcone, R.

- REQ Halliday, Resnick & Walker, FUNDAMENTALS OF PHYSICS, V. 1, 6th ed., 2000, Wiley
8A LAB MANUAL to be purchased
-

8B.1-2 – Golightly, W.

- REQ Halliday, Resnick and Walker, FUNDAMENTALS OF PHYSICS, V. 2 Extended, Enhanced Problem Version, 6th ed., 2000, Wiley
8B LAB MANUAL to be purchased
-

10 – Muller, R.

None

21 - Lindenberg, A.

- REQ Rossing, THE SCIENCE OF SOUND, 3rd ed., Addison-Wesley
-

84.1 - Jacobsen, R.

None

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100 - TBA

None

105.1 - Wohl, C.

REQ Barger & Olsson, CLASSICAL MECHANICS: A MODERN PERSPECTIVE, McGraw Hill

105.2 - Horava, P

REQ Marion & Thornton, CLASSICAL DYNAMICS OF PARTICLES & SYSTEMS, 4th edition, Saunders College

REQ Hand & Finch, ANALYTICAL MECHANICS, Cambridge

REC Goldstein et al., CLASSICAL MECHANICS, 3rd edition, Prentice Hall

108 - Chiao, R.

REQ Saleh & Teich, FUNDAMENTALS OF PHOTONICS, Wiley

110A.1 - Bardakci, K.

REQ Griffiths, INTRODUCTION TO ELECTRODYNAMICS, 3rd edition, 1999, Prentice Hall

REC Reitz, Milford, Christy, FOUNDATIONS OF ELECTROMAGNETIC THEORY, Addison-Wesley

REC Barger & Olsson, CLASSICAL ELECTRICITY AND MAGNETISM,

110A. 2 - Strovink, M

REQ Griffiths, INTRODUCTION TO ELECTRODYNAMICS, 3rd edition, 1999, Prentice Hall

110B - Kerth, L.

REQ Griffiths, INTRODUCTION TO ELECTRODYNAMICS, 3rd edition, 1999, Prentice Hall

REC Pedrotti & Pedrotti, INTRODUCTION TO OPTICS, 2nd edition, 1993, Prentice Hall

111.1 - Siegrist, J

REQ Horowitz & Hill, THE ART OF ELECTRONICS, 3rd ed., Cambridge

REC Horowitz & Hayes, SOLUTION MANUAL TO THE ART OF ELECTRONICS, Cambridge

REC Sedra, MICROELECTRONIC CIRCUITS, 3rd ed. '91, Oxford

111.2-3 - Holzapfel, W. & Davis, S.P.

REQ Lyons, L., A PRACTICAL GUIDE TO DATA ANALYSIS FOR PHYSICAL SCIENCE STUDENTS, Cambridge

REC Milissinos, EXPERIMENTS IN MODERN PHYSICS, Academic Press

112 - Sadoulet, B.

REQ Kittel, THERMAL PHYSICS, 2nd ed., 1980, Freeman

137A. 1-2 - Shapiro, M. & White, M.

REQ Griffiths, INTRODUCTION TO QUANTUM MECHANICS, Prentice Hall

137B.1 - Stamper-Kurn, D.

REQ Bransden & Joachain, QUANTUM MECHANICS, 2nd ed., Pearson Education

REC Cohen-Tannoudji, QUANTUM MECHANICS, V. 1 & V. 2, Wiley

REC Feynman, THE FEYNMAN LECTURES OF PHYSICS, V. 3, Addison-Wesley

REC Griffiths, INTRODUCTION TO QUANTUM MECHANICS, Prentice Hall

137B.2 - Freedman, S.

REQ Bransden & Joachain, QUANTUM MECHANICS, 2nd ed., Pearson Education

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REQ Griffiths, INTRODUCTION TO QUANTUM MECHANICS, Prentice Hall

139 - Smoot, G.

REQ Rindler, RELATIVITY: SPECIAL, GENERAL AND COSMOLOGICAL, Oxford
REC Schutz, A FIRST COURSE IN GENERAL RELATIVITY, Cambridge
REC D'Inverno, INTRODUCING EINSTEIN'S RELATIVITY, Oxford
REC Ohanian & Ruffini, GRAVITATION AND SPACE TIME, Norton

141A - Crommie, M.

REQ Kittel, INTRODUCTION TO SOLID STATE PHYSICS, 7th ed., '96, Wiley

141B - Clarke, J.

REQ Kittel, INTRODUCTION TO SOLID STATE PHYSICS, 7th ed., '96, Wiley

142 - Fajans, J.

REQ Chen, INTRODUCTION TO PLASMA PHYSICS AND CONTROLLED FUSION, 2nd ed., Plenum Press

C161 - Lee, A.

REQ Longair, HIGH ENERGY ASTROPHYSICS, V.2, Cambridge Univ. Press
REQ Roos, INTRODUCTION TO COSMOLOGY, Wiley
REC Longair, HIGH ENERGY ASTROPHYSICS, V.1, Cambridge Univ. Press
REC Rybicki & Lightman, RADIATIVE PROCESSES IN ASTROPHYSICS, Wiley

H190 - Littlejohn, R.

None

211 - Commins, E.

REQ Pathria, STATISTICAL MECHANICS, 2nd edition, Butterworth-Heinemann

216 - Moore, J.

None

223 - Gaillard, M

REQ Georgi, LIE ALGEBRAS IN PARTICLE PHYSICS, 2nd edition, Perseus

221B - Lee, D-H

REQ Sakurai, ADVANCED QUANTUM MECHANICS, Addison Wesley
REC Merzbacher, QUANTUM MECHANICS, Wiley

229B - Suzuki, M.

None

230A - Halpern, M.

REC Itzykson & Zuber, QUANTUM FIELD THEORY, McGraw Hill

231 - Ganor, O.

REQ Schutz, B., A FIRST COURSE IN GENERAL RELATIVITY, Cambridge Univ. Press
REC Weinberg, GRAVITATION AND COSMOLOGY, Wiley
REC Wald, GENERAL RELATIVITY, 1984, University of Chicago Press

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240B - Louie, S.

- REC Schrieffer, THEORY OF SUPERCONDUCTIVITY, Benjamin Cummings
REC Ziman, PRINCIPLES OF THE THEORY OF SOLIDS, Cambridge
REC Madelung, INTRODUCTION TO SOLID STATE THEORY, Springer-Verlag
REC Yu & Cardona, FUNDAMENTALS OF SEMICONDUCTORS, Springer-Verlag
REC Marder, CONDENSED MATTER PHYSICS, Wiley

250.1 - Yu. P

- REC Yu & Cardona, FUNDAMENTALS OF SEMICONDUCTORS: PHYSICS AND MATERIALS PROPERTIES, 3rd edition, Springer

250.2 - Hall, L.

None

**250.3 - Horava, P.
CANCELLED**
