

DEPARTMENT OF PHYSICS - Spring 2004 TEXT LIST

June 5, 2006

7A. 1-3 - Chiao, R. & 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
 - REQ Syllabus Card
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H7A - Marrus, R.

- REQ Kleppner, D & Kolenkow, AN INTRODUCTION TO MECHANICS, '73, McGraw- Hill
 - REC French, VIBRATIONS AND WAVES, Norton
 - REC French, NEWTONIAN MECHANICS, Norton
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7B. 1 - Wohl, C

- 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
- REQ Syllabus Card

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
 - REQ Syllabus Card
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H7B - Kolomensky, Y

- REQ Purcell, EM, BERKELY PHYSICS COURSE: ELECTRICITY & MAGNETISM, V. 2, 2ND ed., '85, McGraw-Hill
 - REC Feynman, LECTURES ON PHYSICS, V. 2, Addison-Wesley
 - REC Saslow, W., ELECTRICITY, MAGNETISM AND LIGHT, 2002, Academic Press
 - REC Resnick, Halliday & Krane, PHYSICS, V. 1 & V. 2, Wiley
-

7C. 1 & 2 - Lee, A. & Battaglia, M.

- REQ Giancoli, PHYSICS FOR SCIENTISTS AND ENGINEERS, V. 2, 3rd ed., 2000, Prentice Hall
 - REQ Tipler & Llewellyn, MODERN PHYSICS, 4th edition, Freeman
 - REQ Syllabus Card
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H7C - Shen, Y.R.

- REQ Serway, MODERN PHYSICS, Thomson Learning
 - REQ Hecht, OPTICS, 4th edition, 2002, Addison-Wesley
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8A. 1-2 - Golightly, W.

- REQ Halliday, Resnick & Walker, FUNDAMENTALS OF PHYSICS, V. 1, 6th ed., 2000, Wiley
 - REQ Syllabus Card
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8B.1-2 - Waterhouse, F. & Jacobsen, R.

- REQ Halliday, Resnick and Walker, FUNDAMENTALS OF PHYSICS, V. 2 Extended, 6th ed., 2000, Wiley
 - REQ Syllabus Card
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10 - Muller, R.

None

21 - COURSE WILL NOT BE OFFERED SPRING 2004

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24 - Orenstein, J.
None

84.1 - Jacobsen, R.
None

100 - Falcone, R.
None

105 - Luk, K.
REQ Marion & Thornton, CLASSICAL DYNAMICS OF PARTICLES & SYSTEMS, 5th ed., 2003, Thomson Learning

110A - Suzuki, M
REQ Griffiths, INTRODUCTION TO ELECTRODYNAMICS, 3rd edition, 1999, Prentice Hall

110B - Strovink, M.
REQ Griffiths, INTRODUCTION TO ELECTRODYNAMIS, 3rd edition, 1999, Prentice Hall
REC Pedrotti & Pedrotti, INTRODUCTION TO OPTICS, 2nd edition, 1993, Prentice Hall

111.1 - Fajans, 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 - Siegrist, J. & Davis, S.P.
REQ Taylor, J., AN INTRODUCTION TO ERROR ANALYSIS: THE STUDY OF UNCERTAINTIES IN PHYSICAL MEASUREMENTS, 2nd edition, University Science Books
REC Milissinos, EXPERIMENTS IN MODERN PHYSICS, Academic Press

112 - Sadoulet, B.
REQ Kittel, THERMAL PHYSICS, 2nd ed., 1980, Freeman

132 - Budker, D.
REQ Tipler & Llewellyn, MODERN PHYSICS, 4th edition, Freeman
REC Tipler & Llewellyn, MODERN PHYSICS STUDENT SOLUTION MANUAL, Freeman

137A. 1 - Hardtke, D.
REQ Griffiths, INTRODUCTION TO QUANTUM MECHANICS, 2nd ed. (if available), Prentice Hall

137A. 2 - Lee, D.
REQ Griffiths, INTRODUCTION TO QUANTUM MECHANICS, Prentice Hall

137B 1-2 - Clarke, J. & Shapiro, M.
REQ Bransden & Joachain, QUANTUM MECHANICS, 2nd ed., Pearson Education

138 - Stamper-Kurn, D.
REQ Haken & Wolf, THE PHYSICS OF ATOMS AND QUANTA, 6th edition, Springer-Verlag
REC Bransden & Joachain, PHYSICS OF ATOMS AND MOLECULES, 2nd edition, Longman

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139 - Hall, L.

REQ Hartle, J., GRAVITY – AN INTRODUCTION TO EINSTEIN'S GENERAL RELATIVITY, 2003, Addison-Wesley

141A – Lanzara, A.

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

141B – Qiu, Z.

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

C161 – White, M.

REQ Longair, HIGH ENERGY ASTROPHYSICS, V.2, Cambridge Univ. Press

REQ Ryden, INTRODUCTION TO COSMOLOGY, Pearson Addison Wesley

REC Longair, HIGH ENERGY ASTROPHYSICS, V.1, Cambridge Univ. Press

REC Liddle, A., AN INTRODUCTION TO MODERN COSMOLOGY, Wiley

REC Rees, M., NEW PERSPECTIVES IN ASTROPHYSICAL COSMOLOGY, Cambridge Univ. Press

177 - Bustamante, C.

REQ Daune, M., MOLECULAR BIOPHYSICS: STRUCTURES IN MOTION, Oxford

H190 - Moore, J.

REC Crease & Mann, THE SECOND CREATION, Rutgers University

REC Gleick, CHAOS, Penguin

211 - Commins, E.

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

221B – Cohn, J.

REQ Merzbacher, QUANTUM MECHANICS, 3rd edition, 1998, Wiley

REC Sakurai, ADVANCED QUANTUM MECHANICS, Addison Wesley

REC Ballentine, QUANTUM MECHANICS, World Scientific

222 - Littlejohn, R.

REQ Nakahara, M., GEOMETRY, TOPOLOGY AND PHYSICS, IOP

REC Frankel, T., THE GEOMETRY OF PHYSICS, Cambridge Univ. Press

229B – Gaillard, M.

REQ Peskin & Schroeder, AN INTRODUCTION TO QUANTUM FIELD THEORY, Perseus Books

230A - Halpern, M.

REQ Peskin & Schroeder, AN INTRODUCTION TO QUANTUM FIELD THEORY, Perseus Books

REC Ramond, FIELD THEORY: A MODERN PRIMER, Perseus Books

231 - Bousso, R.

REQ Carroll, S., SPACETIME AND GEOMETRY, Addison Wesley

REC Hawking & Ellis, THE LARGE SCALE STRUCTURE OF SPACETIME, Cambridge Univ. Press

REC Wald, GENERAL RELATIVITY, 1984, University of Chicago Press

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240B – Cohen, M.

- 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
- REC Kittel, QUANTUM THEORY OF SOLIDS, Wiley
- REC Kittel, INTRODUCTION TO SOLID STATE PHYSICS, Wiley
- REC Cohen & Chinowsky, ELECTRONIC STRUCTURE AND OPTICAL PROPERTIES OF SEMICONDUCTORS, Springer
- REC Ashcroft, SOLID STATE PHYSICS, Thomson Learning

242B - Wurtele, J.

- REQ Nishikawa & Wakatani, PLASMA PHYSICS, Springer
- REC Nicholson, INTRODUCTION TO PLASMA THEORY, Krieger Publishing Company
- REC Hazeltine & Wallbrook, THE FRAMEWORK OF PLASMA PHYSICS, Perseus

250.1 – Ganor, O.

- REQ Polchinski, J., STRING THEORY: V.1 & V. 2, Cambridge Univ. Press
- REC Green, Schwarz & Witten, SUPERSTRING THEORY: V.1 & V. 2, Cambridge Univ. Press

250.2 -Yu. P

- REQ Yu & Cardona, FUNDAMENTALS OF SEMICONDUCTORS: PHYSICS AND MATERIALS PROPERTIES, 3rd edition, Springer
 - REC Davies, J., THE PHYSICS OF LOW-DIMENSIONAL SEMICONDUCTORS, Cambridge Univ. Press
 - REC Barnham & Vvedensky, LOW-DIMENSIONAL SEMICONDUCTOR STRUCTORS, Cambridge Univ. Press
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