

**DEPARTMENT OF PHYSICS - Spring 2002 TEXT LIST**

June 5, 2006

**7A. 1-3 - Reinsch, M., Yu, P., & Stahler, S.**

- REQ Giancoli, PHYSICS FOR SCIENTISTS & ENGINEERS, V. 1, 3<sup>rd</sup> ed., 2000, Prentice-Hall  
REQ Elby, PORTABLE TA PROBLEM SOLVING GUIDE, V.1, Prentice Hall  
7A LAB MANUAL to be purchased
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**H7A - Cohn, J.**

- REQ Kleppner, D & Kolenkow, AN INTRODUCTION TO MECHANICS, '73, McGraw- Hill  
REQ French, VIBRATIONS AND WAVES, Norton  
7A LAB MANUAL to be purchased
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**7B. 1 & 2 - Kim, Y. & Richards, P.**

- REQ Giancoli, PHYSICS FOR SCIENTISTS AND ENGINEERS, V. 1 & 2, 3<sup>rd</sup> ed., 2000, Prentice-Hall  
REQ Elby, PORTABLE TA PROBLEM SOLVING GUIDE, V.2, Prentice Hall  
7B LAB MANUAL to be purchased
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**H7B - Bale, S**

- REQ Purcell, EM, BERKELY PHYSICS COURSE: ELECTRICITY & MAGNETISM, V. 2, 2ND ed., '85, McGraw-Hill  
REQ Giancoli, PHYSICS FOR SCIENTISTS AND ENGINEERS, V. 1 & 2, 3<sup>rd</sup> ed., 2000, Prentice-Hall  
REQ Feynman, THE FEYNMAN LECTURES ON PHYSICS, V. 2, Addison Wesley  
7B LAB MANUAL to be purchased
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**7C. 1 & 2 - Hua, D. & Davis, J.C.**

- REQ Giancoli, PHYSICS FOR SCIENTISTS AND ENGINEERS, V. 2, 3<sup>rd</sup> ed., 2000, Prentice Hall  
7C LAB MANUAL to be purchased
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**H7C - Jacobsen, R.**

- REQ Serway, MODERN PHYSICS, 2<sup>ND</sup> ed., 1997, Harcourt Brace  
REQ Fowles, INTRO TO MODERN OPTICS, 2<sup>nd</sup> edition, Dover  
7C LAB MANUAL to be purchased
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**8A. 1 - Dalven, R.**

- REQ Halliday, Resnick & Walker, FUNDAMENTALS OF PHYSICS, V. 1, 6<sup>th</sup> ed., 2000, Wiley  
REQ Dalven, MATH FOR PHYSICS, McGraw Hill  
REQ Elby, PORTABLE TA, V.1, Prentice Hall  
8A LAB MANUAL to be purchased

**8A. 2 - Falcone, R.**

- REQ Halliday, Resnick & Walker, FUNDAMENTALS OF PHYSICS, V. 1, 6<sup>th</sup> ed., 2000, Wiley  
8A LAB MANUAL to be purchased
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**8B.1-2 - Golightly, W.**

- REQ Halliday, Resnick and Walker, FUNDAMENTALS OF PHYSICS, V. 2, 6<sup>th</sup> ed., 2000, Wiley  
8B LAB MANUAL to be purchased
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**10.1 - Muller, R.**

None

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**21.1 - Lindenberg, A.**

- REQ Rossing, THE SCIENCE OF SOUND, 3<sup>rd</sup> ed., Addison-Wesley
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**24.1 - Sadoulet, B.**

None

**24.2 - Kolemensky, Y.**

None

**DEPARTMENT OF PHYSICS - Spring 2002 TEXT LIST**

June 5, 2006

**24.3 - Jacobsen, R.**

None

**24.4 - Clarke, J.**

None

**24.5 - Fajans, R., Price, P.B., Swartzberg, J.**

None

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**84.1 - Jacobsen, R.**

None

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**100 - Falcone, R.**

None

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**105 - Fajans, J.**

REQ Taylor, CLASSICAL MECHANICS, Univ. Science Books

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**110A - Wohl, C.**

REQ Griffiths, INTRODUCTION TO ELECTRODYNAMICS, 3<sup>rd</sup> edition, 1999, Prentice Hall

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**110B - Kerth, L.**

REQ Griffiths, INTRODUCTION TO ELECTRODYNAMICS, 3<sup>rd</sup> edition, 1999, Prentice Hall

REQ Pedrotti & Pedrotti, INTRODUCTION TO OPTICS, 2<sup>nd</sup> edition, 1993, Prentice Hall

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**111.1 - Siegrist, J**

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

REQ Horowitz & Hill, THE ART OF ELECTRONICS, 3<sup>rd</sup> ed., Cambridge

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

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

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

REQ Milissinos, EXPERIMENTS IN MODERN PHYSICS, Academic Press

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**112 - Qiu, Z.**

REQ Kittel, THERMAL PHYSICS, 2<sup>nd</sup> ed., 1980, Freeman

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**129B - Shapiro, M.**

REQ Griffiths, INTRODUCTION TO ELEMENTARY PARTICLES, 1987, Wiley

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**132 - Pomerantz, M.**

REQ Tipler & Llewellyn, MODERN PHYSICS, 3<sup>rd</sup> edition, Freeman

REC Tipler & Llewellyn, STUDENT SOLUTION MANUAL FOR MODERN PHYSICS, 3<sup>rd</sup> edition, Freeman

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**137A.1 - Tremsin, A.**

REQ Griffiths, INTRODUCTION TO QUANTUM MECHANICS, Prentice Hall

REC Bransden, QUANTUM MECHANICS, 2<sup>nd</sup> edition, Pearson Educ.

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**137A.2 - White, M.**

REQ Griffiths, INTRODUCTION TO QUANTUM MECHANICS, Prentice Hall

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**DEPARTMENT OF PHYSICS - Spring 2002 TEXT LIST**

June 5, 2006

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**137B.1 – Marrus, R.**

REQ Bransden & Joachain, QUANTUM MECHANICS, 2<sup>nd</sup> ed., Pearson Education

**137B.2 – Shen, Y.R.**

REQ Bransden & Joachain, QUANTUM MECHANICS, 2<sup>nd</sup> ed., Pearson Education

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**139 - Smoot, G.**

REQ Rindler, RELATIVITY: SPECIAL, GENERAL AND COSMOLOGICAL, Oxford

REC D'Inverno, INTRODUCING EINSTEIN'S RELATIVITY, Oxford

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**141A - Crommie, M.**

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

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**141B – Orenstein, J.**

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

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**142.1 – Lin, R.**

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

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**C160B – 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

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**177 – Bustamante, C**

REQ Cantor & Schimmel, BIOPHYSICAL CHEMISTRY: TECHNIQUES FOR THE STUDY OF BIOLOGICAL STRUCTURE AND FUNCTION, PART II, 1980, W H Freeman

REC Daune, MOLECULAR BIOPHYSICS: STRUCTURES IN MOTION, Oxford

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**H190 - Budker, D.**

REQ Brown, MOLECULAR SPECTROSCOPY, Oxford

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**205A – Knobloch, E.**

REQ Jose & Saletan, CLASSICAL DYNAMICS: A CONTEMPORARY APPROACH, 1998, Cambridge

REC Lichtenberg & Leiberman, REGULAR AND CHAOTIC MOTION, Springer-Verlag

REC Whitham, LINEAR & NONLINEAR WAVES, Wiley

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**211 - Wichmann, E.**

None

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**216 - Lee, D.**

REQ TBA

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**221B - Murayama, H.**

REQ Sakurai, ADVANCED QUANTUM MECHANICS, Addison Wesley

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**DEPARTMENT OF PHYSICS - Spring 2002 TEXT LIST**

June 5, 2006

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**229B - Hall, L.**

REQ TBA

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**230A - Bardakci, K.**

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

REC Weinberg, QUANTUM THEORIES OF FIELDS II MODERN APPLICATIONS, Cambridge

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**231 - Ganor, O.**

REQ Schutz, B., A FIRST COURSE IN GENERAL RELATIVITY, Cambridge Univ. 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

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**242B - Wurtele, J.**

REC TBA

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**250.1 - Genzel, R. & Backer, D.**

REQ TBA

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**250.2 - Horava, Petr**

REQ Polchinski, STRING THEORY V.1&2, Cambridge

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**C254 - Boggs, S**

REQ Frank, King & Raine, ACCRETION POWER IN ASTROPHYSICS, Cambridge Univ. Press

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

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

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