

DEPARTMENT OF PHYSICS
Fall 2014 Textbook List

8/28/14

7A.1-3:	SPELIOTOPOULOS (Sect. 1), HALLATSCHEK (Sect. 2), CORSINI (Sect. 3)
REQ	Custom made package consisting of: Giancoli <i>PHYSICS FOR SCIENTISTS & ENGINEERS</i> , Vol. 1, 4 th Ed., 2010, Pearson <i>MASTERING PHYSICS, STUDENT ACCESS KIT</i> , Pearson <i>U.C. BERKELEY PHYSICS 7A HANDBOOK</i> iClickers (for Section 2)

H7A.1:	OREBI GANN
REQ	French <i>VIBRATIONS & WAVES</i> , 1971, Norton
REQ	Kleppner <i>INTRODUCTION TO MECHANICS</i> , 2013, Cambridge
REQ	Physics H7A Lab Manual, available at Copy Central on Bancroft Avenue

7B.1-3:	SPELIOTOPOULOS (Sect. 1), LANZARA (Sect. 2 & 3)
REQ	Custom made package consisting of: Giancoli <i>PHYSICS FOR SCIENTISTS & ENGINEERS</i> , Vol. 2, 3 rd Custom Ed., Pearson <i>MASTERING PHYSICS, STUDENT ACCESS KIT</i> , Pearson <i>U.C. BERKELEY PHYSICS 7B HANDBOOK</i>

H7B:	WINOTO
REQ	Purcell <i>ELECTRICITY & MAGNETISM</i> , Vol. 2, 3rd Ed., 2013, Cambridge
REQ	Giancoli <i>PHYSICS FOR SCIENTISTS & ENGINEERS</i> , Vol. 2, 3 rd Custom Ed., Pearson
REC	Feynman <i>FEYNMAN LECTURES, MAINLY MECHANICS, RADIATION & HEAT</i> , Volumes 1 & 2, Addison Wesley

7C:	MOORE, N
REQ	Giancoli <i>PHYSICS FOR SCIENTISTS & ENGINEERS</i> , Vol.3, 4 th Ed., 2010, Pearson
REQ	Tipler & Llewellyn <i>MODERN PHYSICS</i> , 6 th Ed., 2012, Freeman Press/VHPS
REQ	Webassign WEBASSIGN, Student Access Code Card (College Semester), Webassign
REQ	7C Lab Manual, available at Copy Central on Bancroft
REQ	iClickers iClickers

H7C:	LEE, A
REQ	Hecht <i>OPTICS</i> , 4 th Ed., 2001, Addison-Wesley
REQ	Tipler <i>MODERN PHYSICS</i> , 6 th Ed., 2012, Freeman Press/VHPS

8A.1-2:	SHOKAIR (Sect. 001) & DeWEESE (Sect. 002)
REQ	Wolfson <i>ESSENTIAL UNIV. PHYSICS</i> (Vol. 1), 2 nd Ed., 2012 (package) <i>PHYSICS 8A STUDENT LEARNING HANDBOOK</i> , Pearson <i>MASTERING PHYSICS STUDENT ACCESS KIT</i>

8B.1-2:	BORDEL
REQ	Wolfson <i>ESSENTIAL UNIV. PHYSICS</i> (Vol. 2), 2 nd Ed., 2012 (package) <i>PHYSICS 8B STUDENT LEARNING HANDBOOK</i> , Pearson <i>MASTERING PHYSICS STUDENT ACCESS KIT</i>
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C10:	STAHLER
REQ	Muller <i>PHYSICS AND TECHNOLOGY FOR FUTURE PRESIDENTS</i> , 2010, Princeton

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REQ iClickers iClickers

C10: STAHLER
REQ Muller *PHYSICS AND TECHNOLOGY FOR FUTURE PRESIDENTS*, 2010, Princeton

24.1:	JACOBSEN	<i>NO TEXTBOOK REQUIRED</i>
84: REC	BOGGS McFarland	CANCELLED <i>ENERGY, PHYSICS AND THE ENVIRONMENT</i> , 3 rd Ed., 2007, Cengage
98BC.1-3:	SADOLET	<i>NO TEXTBOOK REQUIRED</i>
105.1: REQ	KNOBLOCH Taylor	<i>CLASSICAL MECHANICS</i> , 2005, University Science Books (USB)
105.2: REQ	QIU Marion & Thornton	<i>CLASSICAL DYNAMICS OF PARTICLES AND SYSTEMS</i> , 5 th Ed, 2004, Brooks/Cole
110A.1-2:	REINSCH (Sect. 1 & Sect. 2)	
REQ	Griffiths	<i>INTRODUCTION TO ELECTRODYNAMICS</i> , 4 th Ed., 2012, Pearson
110B: REQ REC REC	GANOR Griffiths Jackson Pedrotti	<i>INTRODUCTION TO ELECTRODYNAMICS</i> , 4th Ed., 2012, Pearson <i>CLASSICAL ELECTRODYNAMICS</i> , 3 rd , 2007, Wiley <i>INTRODUCTION TO OPTICS</i> , 3 rd Ed., 2006, Pearson
111.1:	FAJANS	<i>NO TEXTBOOK REQUIRED</i>
111.2:	HAEFFNER & STAMPER-KURN	<i>NO TEXTBOOK REQUIRED</i>
112.1-2:	NEATON & HOLZAPFEL	
REQ	Kittel/ Kroemer	<i>THERMAL PHYSICS</i> , 2 nd Ed., 1980, W.H. Freeman
129.1: REQ	LUK Thomson	<i>MODERN PARTICLE PHYSICS</i> , 2013, Cambridge
137A: REQ	CHARMAN (Sect. 1 & 3) Townsend	<i>A MODERN APPROACH TO QUANTUM MECHANICS</i> , 2 nd Ed., 2012, USB
137A: REQ	NOMURA (Sect. 2) Griffiths	<i>INTRODUCTION TO QUANTUM MECHANICS</i> , 2 nd Ed., 2005, Pearson
137B: REQ	WANG (Sect. 1), CROMMIE (Sect. 2) Griffiths	<i>INTRODUCTION TO QUANTUM MECHANICS</i> , 2 nd Ed., 2005, Pearson
141A: REQ REC REC REC	ANALYTIS Simon Kittel Hook/Hall Ashcroft	<i>THE OXFORD SOLID STATE BASICS</i> , 2013, Oxford University Press <i>INTRODUCTION TO SOLID STATE PHYSICS</i> , 8 th Ed., 2004, Wiley <i>SOLID STATE PHYSICS</i> , 2 nd Ed., 1995, Wiley <i>SOLID STATE PHYSICS</i> , 1 st Ed., 1976, Cengage

C191: WHALEY
REC Benenti *PRINCIPLES OF QUANTUM COMPUTATION & INFO*, 2004, World Scientific
REC Kaye *AN INTRODUCTION TO QUANTUM COMPUTING*, 2007, Oxford

198BC (1-5): SADOULET
NO TEXTBOOK REQUIRED

C202: MA
NO TEXTBOOK REQUIRED

209: WHITE
REQ Jackson *CLASSICAL ELECTRODYNAMICS*, 3rd Ed., 1998, Wiley
REC Zangwill *MODERN ELECTRODYNAMICS*, 2012, Cambridge

212: LEE, D
NO TEXTBOOK REQUIRED

216: VISHWANATH
NO TEXTBOOK REQUIRED

221A: HAXTON
REC Baym *LECTURES ON QUANTUM MECHANICS*, 1974, Westview

226: SHAPIRO
NO TEXTBOOK REQUIRED

C228: WHITE
NO TEXTBOOK REQUIRED

232A: HORAVA
REQ Peskin *AN INTRODUCTION TO QUANTUM FIELD THEORY*, 1st Ed., 1995, Westview
REQ Schwartz *QUANTUM FIELD THEORY & THE STANDARD MODEL*, 2013, Cambridge
REC Zee *QUANTUM FIELD THEORY IN A NUTSHELL*, 2nd Ed. 2010, Princeton

233B: HALL
REQ Peskin *AN INTRODUCTION TO QUANTUM FIELD THEORY*, 1st Ed., 1995, Westview

234A: AGANAGIC
REC Becker *STRING THEORY AND M-THEORY*, 1st Ed., 2007, Cambridge
REC Polchinski *STRING THEORY, VOLUME 1*, 1998, Cambridge
REC Polchinski *STRING THEORY, VOLUME 2*, 2005, Cambridge

240A: LOUIE
REC Ashcroft *SOLID STATE PHYSICS*, 1st Ed., 1976, Ceng
REC Marder *CONDENSED MATTER PHYSICS*, 2nd Ed., 2010, Wiley
REC Madelung *INTRODUCTION TO SOLID STATE THEORY*, 1st Ed., 2008, Springer
REC Yu *FUNDAMENTALS OF SEMICONDUCTORS*, 4th Ed., 2010, Springer
REC Ziman *PRINCIPLES OF THE THEORY OF SOLIDS*, 2nd Ed., 1979, Cambridge

375: SPIKE
REC Redish *TEACHING PHYSICS WITH THE PHYSICS SUITE*, 2013, Wiley
