

Fall 2009 Physics Department Textbook List

Course and Section	Instructor	Title, Edition-Author-Publisher
880:011 Sec. 1 Conceptual Physics	Morgan/Yasuda	<u>Required</u> <i>How Things Work: The Physics of Everyday Life</i> , Louis A. Bloomfield, 4 <sup>th</sup> Edition; Wiley, ISBN-13: 978-0-470-22399-4 This book is also available electronically through the publisher.
880:011 Sec. 2 Conceptual Physics Honors Section	Morgan	<u>Required</u> <i>The Strange World of Quantum Mechanics</i> , Daniel F. Styer, Cambridge University Press, ISBN-10:0-521-66780-1
880:012 Sec. 1 Physics in Everyday Life	Morgan	<u>Required</u> <i>How Things Work: The Physics of Everyday Life</i> , Louis A. Bloomfield, 4 <sup>th</sup> Edition; Wiley ISBN-13: 978-0-470-22399-4 This book is also available electronically through the publisher.
880:012 Sec. 2 Physics in Everyday Life	Morgan	<u>Required</u> <i>How Things Work: The Physics of Everyday Life</i> , Louis A. Bloomfield 4 <sup>th</sup> Edition; Wiley, ISBN-13: 978-0-470-22399-4 This book is also available electronically through the publisher.
880:054 Sec. 1 General Physics I	Shand	<i>College Physics: A Strategic Approach</i> , by R. Knight, B. Jones, and S. Field, Pearson-Addison Wesley, 1st Edition (2007) and <i>College Physics: A Strategic Approach</i> , Student Workbook, Vol. 1, Pearson Addison-Wesley (2009).
880:054 Sec. 2 General Physics I	Olson	Same as section 1
880:054 Sec. 3 General Physics I	Deisz	Same as section 4
880:054 Sec. 4 General Physics I	T. Yasuda	<i>College Physics: A Strategic Approach</i> , by R. Knight, B. Jones, and S. Field, Pearson-Addison Wesley, 1st Edition (2007) NO Workbook required.
880:056 Sec. 1 General Physics II	M. Roth	<i>College Physics: A Strategic Approach Vol. 2</i> , by R. Knight, B. Jones, and S. Field, Pearson-Addison Wesley, 1st Edition (2007) ISBN 0-8053-0630-7. Does not want workbook.
880:056 Sec. 2 General Physics II	Kidd	Same as 880:056 sec. 1
880:056 Sec. 3 General Physics II	Stollenwerk	Same as 880:056 sec. 1

880:130 Sec. 1 Physics I for Sci. & Eng.	Deisz	<i>University Physics with Modern Physics with MasteringPhysics™</i> , 12/E Hugh D. Young & Roger A. Freedman, University of California, Santa Barbara, Addison-Wesley, 2008. (cloth format) ISBN-10: 080532187X or ISBN-13: 9780805321876 This is a change from last year (2008-09).
880:130 Sec. 1 Physics I for Sci. & Eng.	Deisz	Same as section 1
880:132g Sec. 1 Physics III: theory & Simulation	Shand	<i>University Physics, 12<sup>th</sup> edition</i> , Vols. 1 & 2, H. D. Young and R. A. Freedman, Addison-Wesley (2008) and <i>MATLAB: An Introduction With Applications</i> , 3 <sup>rd</sup> edition, Wiley (2008)
880:140g Sec. 1 Holography, Imaging, and Optical Measurement	D. Olson	No textbook required
880:144g Sec. 1 Introduction to Nanoscience & Nanotechnology	Chancey/ Strauss/ Kidd	No textbook required Web CT setup for manual
880:150g Sec. 1 Computational Physics	Deisz	<i>Numerical Methods for Physics</i> , Alejandro L. Garcia, (Prentice Hall, Englewood Cliffs NJ, 2000). ISBN 0-13-906744-2
880:152g Sec. 1 Introduction to Electronics	Kidd	<i>Electronics Fundamentals: Circuits, Devices and Applications, 7th Edition</i> by Floyd, Pearson/Prentice Hall. ISBN-10: 013219709X or ISBN-13: 9780132197090 and Lab Manual: <i>Experiments in Electronics and Circuits Fundamentals: 7th Edition</i> by Floyd, Pearson/Prentice Hall. ISBN-10: 0132197111 or ISBN-13: 9780132197113
880:157g Fundamentals of Physics I	Staff	Same as 880:054
880:158g Fundamentals of Physics II	Staff	Same as 880:056
880:166g Sec. 1 Classical Mechanics	M. Roth	<i>Classical Dynamics of Particles and Systems</i> by Thornton and Marion, Brooks/Cole (2004). ISBN-10: 0534408966 or ISBN-13: 978-0534408961
880:174g Sec. 1 Physics Modern Materials	Shand	<i>Electrical Properties of Materials</i> , 7 <sup>th</sup> edition, L. Solymar and D. Walsh, Oxford (2004).
880:205 Sec. 1 Modeling & Simulation of Physical Systems	Roth	<i>A First Course in Computational Physics and Object-Oriented Programming with C++</i> , David Yevick, University of Waterloo, Ontario, hardback, (ISBN-13: 9780521827782   ISBN-10: 0521827787)

		<b>820 Science and Science Education (taught by Physics or PSM Faculty)</b>
820:031 Sec. 1, 2 & 3 Inquiry into Physical Science	DelCarlo-1 Escalada-1 Staff-1	<i>Physical Science &amp; Everyday Thinking</i> (2009) – 2 <sup>nd</sup> Edition by Fred Goldberg, Rebecca Kruse, Steve Robinson, Valerie Otero, and Nephie Thompson. It's About Time. ISBN#: 978-1-58591-931-4  Note: Textbook should not be bought back since pages will be torn out and submitted to instructor during the semester.
820:193 Sec. 1 Current Curricula in the Physical Sciences	Escalada	No textbook selected at this time. Textbook may be made available from the instructor.
820:289 Sec. 1 Professional Science Master's Seminar	Chancey	No text required