

Fall 2017 Physics Textbook List

Phys Course	Sec	Instructor	Required	Recommended	Author	Title	Publisher	Edition
5A	1	Speliotopoulos	X		French	Vibrations & Waves	WW Norton	12/1/03
			X		Kleppner	An Introduction to Mechanics	Cambridge	2nd Ed, 2013
5B	1	Pyle	X		Purcell	Electricity & Magnetism	Cambridge	3rd 2013
			X		Bennett	Principles of Physical Optics	Wiley	2008
5C	1	Aganagic		X	Wichman	Quantum Physics (in SI units): Berkeley Physics C	McGraw Hill	Vol 4
				X	Reif	Statistical Physics (in SI units): Berkeley Physics C	McGraw Hill	Vol 5
7A	2	DeWeese	X		Giancoli	Physics for Scientists & Engineers	Pearson	Vol. 1, 4th Ed
			X			UC Berkeley Physics 7A Handbook	Pearson	
			X			Mastering Physics, Student Access Kit		
				X	Elby	The Portable TA	Cummings	Vol. 1, 2nd Ed
	3	Hallatschek	X		Giancoli	Physics for Scientists & Engineers	Pearson	Vol. 1, 4th Ed
			X			UC Berkeley Physics 7A Handbook	Pearson	
			X			Mastering Physics, Student Access Kit		
			X			iClickers		
	X	Elby	The Portable TA	Cummings	Vol. 1, 2nd Ed			
7B	1	Birgeneau	X		Giancoli	Physics for Scientists & Engineers, Custom	Pearson	Vol. 2, 2009
			X			includes text, workbook & access code		
7C	1	Zetttl	X		Tipler	Modern Physics	Freeman	6th Ed
			X		Giancoli	Physics for Scientists & Engineers	Pearson	Vol. 3, 4th Ed
			X			Mastering Physics, Student Access Kit	Pearson	
8A	1	Shapiro	X		Wolfson	Essential University Physics	Pearson	Vol 1, 3rd Ed
			X			Physics 8A Student Learning Handbook	Pearson	4th Ed
			X			Mastering Physics, Student Access Kit		
8B	1	Charman	X		Wolfson	Essential University Physics	Pearson	Vol 2, 3rd Ed
			X			Physics 8B Student Learning Handbook		1st Ed
			X			Mastering Physics w/Pearson etext		
						iClickers - TBD		
C10	1	Ramesh	X		Muller	Physics & Technology for Future Presidents	Princeton Univ Press	2010
24	1	Hellman				NO TEXTBOOK REQUIRED		
77	1	Luk	X		Hughes & Hase	Measurements and Their Uncertainties	Oxford Univ Press	2010
89	1	Reinsch	X		Boas, Mary	Mathematical Methods in the Physical Sciences	Wiley	2007
98BC	1	Jacobsen				NO TEXTBOOK REQUIRED		
	2	Sadoulet				NO TEXTBOOK REQUIRED		
	3	Sadoulet				NO TEXTBOOK REQUIRED		
105	1	Knobloch	X		Taylor	Classical Mechanics	University Science Bks	2005
110A	1	Qiu	X		Griffiths	Intro to Electrodynamics	Pearson	4th
110B	1	Orenstein	X		Griffiths	Introduction to Electrodynamics	Prentice Hall	4th Ed, 2012
				X	Steane	Relativity Made Relatively Easy	Oxford Univ Press	1st Ed, 2012
111A	1	Fajans	X		Horowitz/Hill	The Art of Electronics	Cambridge Univ Press	3rd Ed, 2015
111B	2	Luk/Stamper-Kurn	X		Hughes & Hase	Measurements and Their Uncertainties	Oxford Univ Press	2010
112	1	Holzappel	X		Kittel	Thermal Physics	Freeman	2nd Ed
129	1	Kolomensky	X		Thomson	Modern Particle Physics	Cambridge Univ Press	1st Ed, 2013
				X	Griffiths	Intro to Elementary Particles	Wiley	2nd Ed, 2008
				X	Goldhaber & Cahn	Experimental Foundations of Particle Physics	Cambridge Univ Press	2nd Ed, 2009
137A	1	Rajendran	X		Griffiths	Introduction to Quantum Mechanics	Prentice Hall	2nd Ed, 2005
				X	Bransden	Quantum Mechanics	Pearson	2nd Ed
137B	1	McKinsey	X		Griffiths	Introduction to Quantum Mechanics	Prentice Hall	2nd Ed, 2005
				X	Griffiths	Introduction to Quantum Mechanics	Prentice Hall	2nd Ed, 2005
141A	1	Analytis	X		Simon	The Oxford Solid State Basics	Oxford Univ Press	2013

		X	Kittel	Introduction to Solid State Physics	Wiley	8th Ed
		X	Hook/Hall	Solid State Physics	Wiley	2nd Ed
		X	Ashcroft	Solid State Physics	Cengage	1st Ed
151	1		Various	See course website: https://bccp.github.io/sejak-phy151-fall-2017/		
198BC	1			NO TEXTBOOK REQUIRED		
	2			NO TEXTBOOK REQUIRED		
C207	1	X	Rybicki	Radiative Processes in Astrophysics	Wiley	1st, Revised
209	1	X	Jackson	Classical Electrodynamics	Wiley	3rd Ed
		X	Zangwill	Modern Electrodynamics	Cambridge	2012
221A	1	X	Commins	Quantum Mechanics: An Experimentalist's Approach	Cambridge Univ Press	1st Ed, 2014
226	1	X	Thomson	Modern Particle Physics	Cambridge	2015
232A	1	X	Peskin	An Intro to Quantum Field Theory	Perseus	1st Ed, 1995
		X	Zee	Quantum Field Theory in a Nutshell	Princeton Univ Press	2nd Ed, 2010
		X	Schwartz	Quantum Field Theory and the Standard Model	Cambridge	2014
233B	1			NO TEXTBOOK REQUIRED		
234A	1			NO TEXTBOOK REQUIRED		
238	1			NO TEXTBOOK REQUIRED		
240A	1	X	Cohen & Louie	Fundamentals of Condensed Matter Physics	Cambridge Univ Press	2016
		X	Madelung	Intro to Solid State Theory	Springer	2008
		X	Yu	Fundamentals of Semiconductors	Springer	4th Ed
		X	Ziman	Principles of the Theory of Solids	Springer	2nd
		X	Ashcroft	Solid State Physics	Cengage	1st Ed
242A	1	X	Nicholson	Introduction to Plasma Theory (Available via Copy)	Wiley	1st Ed
251	1			NO TEXTBOOK REQUIRED		
C285	1			NO TEXTBOOK REQUIRED		
375	1			NO TEXTBOOK REQUIRED		
	2			NO TEXTBOOK REQUIRED		