

Physics Textbook List

Spring 2004

R=Required O=Optional

Course	Book	Authors	Publisher	R/O
110	-NO TEXT IS REQUIRED-			
114/115/116	<i>Physics: Principles with Applications</i>	Giancoli	Prentice-Hall	R
	<i>Giancoli's Physics: Principles with Applications</i> (Study Guide)	Boyle	Prentice-Hall	O
116B	<i>Biomedical Applications of Introductory Physics</i>	Tuszynski & Dixon	Wiley	R
	<i>Physics: Principles with Applications</i>	Giancoli	Prentice-Hall	R
	<i>Giancoli's Physics: Principles with Applications</i> (Study Guide)	Boyle	Prentice-Hall	O
117/118	-NO TEXT IS REQUIRED-			
119	Class Reading at CMU copy center or online			
121/122/123	<i>Physics for Scientists & Engineers</i>	Giancoli	Prentice-Hall	R
	<i>Tutorials in Introductory Physics</i>	McDermott & Shaffer	Prentice-Hall	R
123B	<i>Physics, Volumes I & II Extended</i>	Halliday & Resnick	Prentice-Hall	R
	<i>Physics, Volumes I-II</i> (Study Guide)	Halliday & Resnick	Prentice-Hall	R
	<i>Tutorials in Introductory Physics</i>	McDermott & Shaffer	Prentice-Hall	R
207	<i>The Science Of Sound</i>	Rossing & Moore	Addison-Wesley	R
212	-NO TEXT IS REQUIRED-			
216	<i>Great Ideas in Physics</i>	Lightman	McGraw-Hill	R
224	<i>Physics for Scientists and Engineers</i>	Giancoli	Prentice-Hall	R
225	<i>Nonclassical Physics: Beyond Newton's View</i>	Harris	Addison-Wesley	R
228	<i>Mathematical Methods in the Physical Sciences</i>	Boas	Wiley	R
232	<i>The Student's Introduction to Mathematica: A</i>	Torrence Torrence	Cambridge	R
	<i>Mathematical Navigator: Graphics & Methods of</i>	Ruskeepaa	Academic	R
322/323	<i>Introduction to Electrodynamics</i>	Griffiths	Prentice-Hall	R
328	<i>Statistical & Thermal Physics: Fundamentals and</i>	Sturge	A.K. Peters	R
331	<i>Optics</i>	Hecht	Addison-Wesley	R
	<i>Data Reduction and Error Analysis for the Physical</i>	Bevington & Robinson	McGraw-Hill	R
335	<i>The Art of Electronics</i>	Hayes & Horowitz	Cambridge	R
	<i>The Art of Electronics</i> (Study Guide)	Hayes & Horowitz	Cambridge	O
409/413	-NO TEXT IS REQUIRED-			
422	<i>Subatomic Physics</i>	Frauenfelder & Henley	Prentice-Hall	R
433	<i>Techniques for Nuclear and Particle Physics</i>	Leo	Springer-Verlag	R
487/496/503	-NO TEXT IS REQUIRED-			
506	<i>Statistical Data Analysis (paperback)</i>	Cowan	Clarendon	R
511	-NO TEXT IS REQUIRED-			
515	<i>Classical Electrodynamics</i>	Jackson	Prentice-Hall	O
519	<i>Modern Quantum Mechanics</i>	Sakurai	Addison-Wesley	R
541	<i>The Quantum Universe (paperback)</i>	Hey & Waters	Cambridge	R
544	<i>Spacetime Physics: Introduction to Special Relativity</i>	Taylor & Wheeler	W.H. Freeman	R
	<i>The Feynman Lectures On Physics, Volume 2</i>	Feynman & Leighton	Addison-wesley	R
	<i>Introduction to Electrodynamics</i>	Griffiths	Prentice-Hall	O
555	-NO TEXT IS REQUIRED-			
568	<i>Bosonization Approach to Strongly Correlated</i>	Gogolin et al.	Cambridge	R
571	<i>An Introduction to Quantum Field Theory</i>	Peskin & Schroeder	Perseus Books	R
580/584	-NO TEXT IS REQUIRED-			