

# Physics Textbook List

Updated 9/8/04

## Autumn 2004

R=Required O= Optional

Course	Book	Authors	Publisher	R/O
114	<i>Physics</i>	Walker	Prentice-Hall	R
115/116	<i>Physics: Principles with Applications</i>	Giancoli	Prentice-Hall	R
	<i>Giancoli's Physics: Principles with Applications (Study Guide)</i>	Boyle	Prentice-Hall	O
117/ 118/119	Lab Manual at Communications			
121A/C/D	<i>Physics for Scientists &amp; Engineers with Modern Physics</i>	Knight	Addison-Wesley	R
	<i>Tutorials in Introductory Physics</i>	McDermott & Shaffer	Prentice-Hall	R
	Physics for Scientists & Engineers Study Guide	Giancoli	Prentice-Hall	O
121B	<i>Physics, Volume I</i>	Resnick & Halliday	Prentice-Hall	R
	<i>Physics, Volume II Extended</i>	Resnick & Halliday	Prentice-Hall	R
	<i>Physics, Vol I-II Study Guide</i>	Halliday & Resnick	Prentice-Hall	O
121Z	Lab Manual at Communications			
122/123	<i>Physics for Scientists &amp; Engineers (Study Guide)</i>	Giancoli	Prentice-Hall	O
	<i>Physics for Scientists and Engineers</i>	Giancoli	Prentice-Hall	R
	<i>Tutorials in Introductory Physics</i>	McDermott & Shaffer	Prentice-Hall	R
122Z	Lab Manual at Communications			
123Z	Class Reading at CMU copy center or online			
210	<i>Physics by Inquiry, Volumes I and II</i>	McDermott	Wiley	R
214	Class Reading at CMU copy center or online			
225	Nonclassical Physics: Beyond Newton's View	Harris	Addison-Wesley	R
228	<i>Mathematical Methods in the Physical Sciences</i>	Boas	Wiley	R
	<i>Student's Introduction to Mathematica: A Handbook for Precal</i>	Torrence & Torrence	Cambridge	O
	<i>Vibrations and Waves</i>	French	Norton	O
231	<i>An Introduction to Error Analysis: The Study of Uncertainties</i>	Taylor	University	R
311	<i>Spacetime Physics: Introduction to Special Relativity</i>	Taylor & Wheeler	W.H. Freeman	R
321	<i>Introduction to Electrodynamics</i>	Griffiths	Prentice-Hall	R
324	<i>Introduction to Quantum Mechanics</i>	Griffiths	Prentice-Hall	R
401	-NO TEXT IS REQUIRED-			
405/407	<i>Physics by Inquiry, Volumes I and II</i>	McDermott	Wiley	R
410/411	-NO TEXT IS REQUIRED-			
423	<i>Introduction to Solid State Physics</i>	Kittel	Wiley	R
424	<i>Classical Mechanics</i>	Kibble & Berkshire	Imperial	R
428	<i>Biological Physics: Energy, Information, Life</i>	Nelson	W.H. Freeman	R
431	-NO TEXT IS REQUIRED-			
434	<i>Learning with Labview 7 Express</i>	Bishop	Prentice-Hall	R
485/494/501	-NO TEXT IS REQUIRED-			
505	<i>Classical Dyanmics: A Contemporary Approach</i>	Jose & Saletan	Cambridge	O
	<i>Classical Mechanics</i>	Goldstein & Poole	Addison-Wesley	O
	<i>Theoretical Mechanics of Particles and Continua</i>	Fetter & Walecka	Dover	R
	<i>Chaotic Dynamics: An Introduction</i>	Baker & Gollub	Cambridge	R
513	<i>Mathematics for Physicists</i>	Dennery & Kryzwicki	Dover R	
	<i>Classical Electordynamics</i>	Jackson	Prentice-Hall	O
517	<i>Principles of Quantum Mechanics</i>	Shankar	Plenum	R
	<i>Lectures on Quantum Mechanics: Lecture Notes &amp; Supplements</i>	Baym	Westview Press	O
520	<i>An Introduction to Quantum Field Theory</i>	Peskin & Schroeder	Perseus Books	O
	<i>Quantum Field Theory in a Nutshell</i>	Zee	Princeton	O
	<i>Quantum Field Theory</i>	Brown	Cambridge	O
525	<i>Quantum &amp; Statistical Field Theory</i>	Le Bellac	Oxford	R
	<i>Equilibrium Statistical Physics</i>	Plischke & Bergersen	World Scientific	R
543	<i>Introduction to Electrodynamics</i>	Griffiths	Prentice-Hall	R
560	<i>Introductory Nuclear Physics</i>	Wong	Wiley	O
575/580	-NO TEXT IS REQUIRED-			