

# Physics Textbook List Winter 2006

| Course  | Book   | Authors           | Publisher      | R=Required<br>O=Optional<br>R/O |
|---------|--|-------------------|----------------|---------------------------------|
| 110     | <i>Physics of Everyday Phenomena: A Conceptual</i>           | Griffith          | McGraw-Hill    | R                               |
| 114     | <i>Physics, Volume I (UW Custom Edition)</i>                 | Walker            | Prentice-Hall  | R                               |
|         | <i>Physics, 3 Volume Pack (UW Custom Edition with</i>        | Walker            | Prentice-Hall  | R                               |
| 115     | <i>H-ITT 100</i>   | None              | None           | R                               |
|         | <i>EXTENSION COURSE (no order to submit)</i>                 | None              | None           |                                 |
| 115/6   | <i>Physics, 3 Volume Pack (UW Custom Edition with</i>        | Walker            | Prentice-Hall  | R                               |
|         | <i>Physics, Volume III (UW Custom Edition)</i>               | Walker            | Prentice-Hall  | R                               |
| 117/8/9 | <i>Class Reading at CMU copy center or online</i>            | None              | None           | R                               |
| 121/2/3 | <i>Class Reading at CMU copy center or online</i>            | None              | None           | R                               |
|         | <i>Physics for Scientists &amp; Engineers with Modern</i>    | Knight            | Addison-Wesley | R                               |
|         | <i>Tutorials in Introductory Physics</i>                     | McDermott Shaffer | Prentice-Hall  | R                               |
| 122/3   | <i>H-ITT 100</i>   | None              | None           | R                               |
| 122     | <i>Physics, Volume 1 &amp; 2 (set), 5e</i>                   | Resnick Halliday  | John Wiley &   | R                               |
| 211     | <i>Physics By Inquiry, Volumes I &amp; II shrink-wrapped</i> | McDermott         | John Wiley &   | R                               |
| 224     | <i>Physics for Scientists &amp; Engineers with Modern</i>    | Knight            | Addison-Wesley | R                               |
| 225     | <i>Modern Physics with Student Solution Manual</i>           | Tipler Llewellyn  | W.H. Freeman   | R                               |
| 227     | <i>Mathematical Methods in the Physical Sciences/3e</i>      | Boas              | John Wiley &   | R                               |
| 315     | <i>Notes at Communications</i>                               | None              | None           | R                               |
| 321/2   | <i>Introduction to Electrodynamics, 3e</i>                   | Griffiths         | Prentice-Hall  | R                               |
| 325     | <i>Introduction to Quantum Mechanics</i>                     | Griffiths         | Prentice-Hall  | R                               |
| 334     | <i>The Art of Electronics</i>                                | Horowitz Hill     | Cambridge      | R                               |
|         | <i>The Art of Electronics (Student Manual)</i>               | Hayes Horowitz    | Cambridge      | R                               |
| 406/8   | <i>Physics By Inquiry, Volumes I &amp; II shrink-wrapped</i> | McDermott         | John Wiley &   | R                               |
| 410/12  | <i>-NO TEXT IS REQUIRED-</i>                                 |                   |                |                                 |
| 421     | <i>Atomic Physics</i>  | Foot              | Oxford         | R                               |
| 432     | <i>Materials Online (+ books on reserve at libraries)</i>    | None              | None           | R                               |
| 441     | <i>Schaum's Outline of Quantum Mechanics</i>                 | Peleg Pnini       | McGraw-Hill    | R                               |
|         | <i>Quantum Physics, 3e</i>                                   | Gasiorowicz       | John Wiley &   | R                               |
| 451/486 | <i>-NO TEXT IS REQUIRED-</i>                                 |                   |                |                                 |
| 495/502 | <i>-NO TEXT IS REQUIRED-</i>                                 |                   |                |                                 |
| 514     | <i>Classical Electrodynamics</i>                             | Jackson           | John Wiley &   | R                               |
| 524     | <i>Statistical Physics, Part I: Course of Theoretical</i>    | Landau Lifshitz   | Butterworth    | R                               |
| 528     | <i>-NO TEXT IS REQUIRED-</i>                                 |                   |                |                                 |
| 564     | <i>Spacetime and Geometry- An Introduction to General</i>    | Carroll           | Addison-Wesley | R                               |
| 570     | <i>An Introduction to Quantum Field Theory</i>               | Peskin Schroeder  | The Perseus    | O                               |
|         | <i>Quantum Field Theory in a Nutshell</i>                    | Zee               | Princeton      | O                               |
|         | <i>Quantum Field Theory</i>                                  | Brown             | Cambridge      | O                               |
| 575     | <i>Quantum Electronics</i>                                   | Yariv             | John Wiley &   | O                               |
| 576     | <i>Scanning Probe Microscopy and Spectroscopy-</i>           | Weisendanger      | Cambridge      | R                               |
|         | <i>Scanning Probe Microscopy-</i>                            | Meyer Hug         | Springer       | R                               |
| 585     | <i>-NO TEXT IS REQUIRED-</i>                                 |                   |                |                                 |