

TEXTBOOK REFERENCES FOR SECTION III

Physics with Modern Physics, 3rd Edition

SECTION III. FORCE AND ENERGY IN CLASSICAL MECHANICS

Chapters 5, 6, 7, 8

III.1 Newton's Laws of Motion

- *Sections 5-1 through 5-8; pages 92-114*

III.2 Inertial vs. Noninertial Reference Frames

- *Section 5-2; pages 97-98*

III.3 Forces - Gravity, Tension, Normal Forces

- *Sections 5-3, 5-5; pages 98-100, 104-107*

III.4 Applying Newton's Laws

- *Sections 6-1, 6-2; pages 122-134*

III.5 Friction

- *Section 6-4; pages 139-150*

III.6 Work, Energy, and Power

- *Section 5-8; pages 112-114*
- *Sections 7-1 through 7-6; pages 163-180*

III.7 Conservation of Energy

- *Sections 8-1 through 8-3, 8-6, 8-7*
- *pages 187-197, 201-203*

III.8 Force and Potential Energy

- *Sections 8-4, 8-5; pages 197-201*