

PN Junctions, Diodes, Optoelectronics, Motors and Generators**Reading Assignment:**

Practical Electronics for Inventors, Paul Scherz and Simon Monk, McGraw Hill, (3ed 2013, 4ed 2016)

Chapter 4 Semiconductors Sections 4.1 - 4.2 Pages 401 - 428

Chapter 5 Optoelectronics Photons, LEDs Photoresistors, Photodiodes, Solar Cells
Sections 5.1 - 5.3 Pages 503 - 519
Sections 5.4 - 5.6 Pages 519 - 524

Chapter 13 Generators, DC Motors, RC Servos, Stepper Motors
Sections 14.1 - 14.9 Pages 913 - 926

Schaum's Outline Of Electrical Engineering, 2ed Cathey & Nasar , McGraw Hill, 1997

Chapter 7 Diodes Sections 7.1 - 7.10 Pages 98 - 111