

**PHYSICS 2640 LABORATORY**

<u>Week of</u>	<u>Experiment</u>
Jan. 14	Lab 00 The Oscilloscope
Jan. 21	*** No Labs ***
Jan. 28	Lab 01 RL & RC Circuits
Feb. 4	Lab 02 LCR Circuits
Feb. 11	Lab 03 Diodes & Transistors
Feb. 18	Lab 04 Operational Amplifiers
Feb. 25	Lab 05 Velocity of Light (LC Circuit) and Signals on Transmission Lines
Mar. 4	Lab 06 Velocity of Light (Pulsed Laser Diode), Doppler Effect, and Thermal Radiation
Mar. 11	*** Spring Break ***
Mar. 18	Lab 07 Franck–Hertz Experiment
Mar. 25	Lab 08 Photoelectric Effect, $h/e$ with Light Emitting Diodes, and Wavelength Measurement with a Grating Spectrometer
Apr. 1	Lab 09 Optical Spectra and Electron Diffraction
Apr. 8	Lab 10 Diffusion Cloud Chamber and Electron Spin Resonance
Apr. 15	Lab 11 Radioactivity: Half–Life and Beta and Gamma Absorption
Apr. 22	Lab 12 Gamma Ray Spectroscopy

