Syllabus		Phys 238	Spring 2026
Jan.	26	Introduction & Overview	Taylor Chs. 1–2
	28	The Simple Pendulum	
	30	Writing reports in LaTeX; Introduction to Uncertainty	Taylor Ch. 3
Feb.	2	Statistical Analysis	Taylor Ch. 4
	4	Normal Distribution	Taylor Ch. 5
	6	Pendulum Report Due; Least Squares; Mathematical Tools	Taylor Ch. 5
	9	Torsional Pendulum (Part 1)	
	11	Torsional Pendulum *continued*	
	13	HW #1; Linear fits	Taylor Ch. 8
	16	Nonlinear fits	Taylor Ch. 8
	18	Torsional Pendulum *continued*	
	20	Torsional (1) Report Due; Damped Oscillations	
	23	Torsional Pendulum (Part 2)	
	25	HW #2; Torsional Pendulum (2) *continued*	
	27	Numerical Modeling; Air drag	
Mar.	2	*continued*	
	4	Torsional (2) Report Due; Numerical Modeling *continued*	
	6	Resonance—Theory	
	9	Mechanical Resonance	
	11	*continued*	
	13	HW #3; Resonance *continued*	
	16–20	*Spring Break*	
	23	*continued*	
	25	*continued*	
	27	Resonance Report Due; RLC Circuits—Theory	
	30	RLC Damped Oscillations—Experiment	
Apr.	1	Complex Impedance	
	3	RLC Resonance—Theory	
	6	RLC Report Due; RLC Resonance Experiment	
	8	*continued*	
	10	*continued*	
	13	RLC Resonance Report Due; Optical Spectroscopy—Theory	
	15	Spectroscopy Calibration	
	17	Hydrogen Spectrum	
	20	HW #4; Hydrogen Spectrum *continued*	
	22	Hydrogen Report Due; Hydrogen & Deuterium—Theory	
	24	Hydrogen & Deuterium *continued*	
	27	*continued*	
	29	*continued*	
May	1	Hydrogen & Deuterium Report Due; Superconductivity—Theory	
	4	Superconductivity *continued*	
	6	*continued*	
	8	*continued*	
	13	Superconductivity Report Due	

Revised January 26, 2026