

**Physics Lab Experiment Schedule Summer 2024**

Day	1	2	3	4	5	6	7	8	9	10	11	12	13	14
<b>102A</b>	Intro	104	109	111	112	113	106	131	122	126	127N	120N	103	121
<b>011 (M, W, R)</b>	5/20 (M)	5/22 (W)	5/23 (R)	5/29 (W)	5/30 (R)	6/3 (M)	6/5 (W)	6/6 (R)	6/10 (M)	6/12 (W)	6/13 (R)	6/17 (M)	6/19 (W)	6/20 (R)
	Error Analysis	Creating Motion Graph	One Dimensional Motion	Projectile Motion	Newton's Second Law	Atwood's Machine	Static & Kinetic Frictions	Centripetal Force	Conservation of Energy for an Object on an Inclined Plane	Conservation of Momentum & Impulse- Momentum Theorem	Torque and Rotational Inertia	Conservation of Angular Momentum	Translational Static Equilibrium Force Table	Rotational Static Equilibrium Forces on a Strut
<b>103A</b>	Intro	A	7	D	E	F	G	B1	W	J	H	215	M	N
<b>021 (M, W, R)</b>	7/1 (M)	7/3 (W)	7/8 (M)	7/10 (W)	7/11 (R)	7/15 (M)	7/17 (W)	7/18 (R)	7/22 (M)	7/24 (W)	7/25 (R)	7/29 (M)	7/31 (W)	8/1 (R)
	Error Analysis	Young's Modulus	Archimedes's Principle & Density	Linear Expansion Coefficient	Specific Heat	Heat of Fusion of Ice	Mechanical Equivalent of Heat	Simple Harmonic Motion	Transverse Standing Waves on a String	Longitudinal Standing Waves in a Sound Tube	Electrical Equivalent of Heat	Ohm's Law	Lenses	Grating Diffraction
<b>111A</b>	Intro	103	109	111	112	106	6a1	125	126	114	9a1	127	121	7
<b>011 (M, W, R)</b>	5/20 (M)	5/22 (W)	5/23 (R)	5/29 (W)	5/30 (R)	6/3 (M)	6/5 (W)	6/6 (R)	6/10 (M)	6/12 (W)	6/13 (R)	6/17 (M)	6/19 (W)	6/20 (R)
	Error Analysis	Translational Static Equilibrium Force Table	One Dimensional Motion	Projectile Motion	Newton's Second Law	Static & Kinetic Frictions	Work and Kinetic Energy	Conservation of Energy in Spring- Mass System	Conservation of Momentum and Impulse Theorem	Uniform Circular Motion	Moment of Inertia and Energy in Rotational Motion	Torque and Rotational Inertia	Rotational Static Equilibrium Forces on a Strut	Archimedes's Principle & Density
<b>121A</b>	Intro	Matlab	200	201	202	203	205	215	217	212	210	223	218	221
<b>022 (M, W, R)</b>	7/1 (M)	7/3 (W)	7/8 (M)	7/10 (W)	7/11 (R)	7/15 (M)	7/17 (W)	7/18 (R)	7/22 (M)	7/24 (W)	7/25 (R)	7/29 (M)	7/31 (W)	8/1 (R)
	Error Analysis & MATLAB 1	MATLAB 2	Electric Charge & Force	Electric Field by Point Charge	Numerical Verification of Gauss Law	Electric Potential and Electric Field	Parallel Plate Capacitor	Ohm's Law	RC Circuit	Measurement of e/m for an Electron	Helmholtz Coil	Faraday's Law	RL Circuit	LC Circuit