

PHY2048L Physics I w/Calculus Laboratory TERM 20221

Selected Laboratory Handouts: “Physics with Computers” by Appel, K.; Gastineau, J.; Bakken, C.; and Vernier, D., 3rd ed. (Provided by Professor); PhET Simulations

Lab schedule PHY2048L (Tuesdays, 6:30 pm - 8:20 pm) South Campus

Date	Lab Meeting	Exp. #	Topic	Lab Report #
August 24	1		Introduction, Safety, Syllabus, Vernier Graphing Tool: https://www.vernier.com/product/graphical-analysis-4/	
August 31	2	PhET	Vector Addition https://phet.colorado.edu/sims/html/vector-addition/latest/vector-addition_en.html	1
September 7	3	1	Graph Matching” (HO)	2
September 14	4	4	Determining g on an Incline” (HO)	3
September 21	5	8A	Projectile Motion: Photogate (HO)	4
September 28	6	10	Newton’s 2 nd Law: The Atwood Machine (HO)	5
October 5	7	12	Static and Kinetic Friction (HO)	6
October 12	8	16	Energy of a tossed ball (HO)	7
October 19	9	18	Momentum, Energy & Collisions (HO)	8
October 26	10	PhET	Rotational Motion (“Ladybug Revolution”)	9
November 2	11	PhET	Balancing Act (Torque and Equilibrium): https://phet.colorado.edu/sims/html/balancing-act/latest/balancing-act_en.html	10
November 9	12	14	Pendulum Periods (HO)	11
November 16	13	30	Newton's Law of Cooling (HO)	12
November 23	14	33	Speed of Sound (HO)	13
November 30	15		Final Exam	

****Important dates:**

August 25.....Last day for 100% refund
 September 6..... Labor Day (no classes)
 October 11 Columbus Day/Indigenous Peoples’ Day (no classes)
 October 26..... Last Day to withdraw or Change to/from Audit
 November 11..... Veterans Day (no classes)
 November 24 – November 28..... Thanksgiving Break

This Lab schedule is tentative and any changes will be announced in class. Specific dates of activities may need to be changed due to unforeseen circumstances. It is the responsibility of each student to attend class in order to be informed of any schedule changes that may be announced.