

PHY2053L General Physics I 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 PHY2053L (Thursdays, 6:30 pm - 8:20 pm) South Campus

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