

GENERAL PHYSICS WITH CALCULUS II - PHY2049L**TERM 20243 – SUMMER 2024, SESSION 3****Meeting on Tuesdays & Thursdays: June 27 – August 6, 2024****2:15 PM – 5:00PM****Building 57, Room 224****Required Lab Manual:**

1. *Lab Manual is on D2L*

LAB SCHEDULE

DATE	TITLE OF EXPERIMENT
June 27 [Thursday]	<i>Introduction, General & Electrical Lab Safety; Calculus Primer (Handout); Graphing with Excel (Handout)</i>
July 2 [Tuesday]	<i>Graphs and Equations (Handout); Electricity and Circuits (PASCO Modular Circuits Kit Handout)</i>
July 4 [Thursday]	NO LAB, INDEPENDENCE DAY!
July 9 [Tuesday]	<i>Measuring Voltages, Resistance Measurement, & Measuring Currents (Physics Kit Handout)</i>
July 11 [Thursday]	<i>Capacitors and RC Circuits (PASCO Modular Circuits Kit Handout)</i>
July 16 [Tuesday]	<i>Overbeck Electric Field Mapping (Handout)</i>
July 18 [Thursday]	EXAM 1 {PRACTICAL}
July 23 [Tuesday]	<i>Ohm's Law & Resistances in Series and Parallel (Physics Kit-Electricity Handout)</i>
July 25 [Thursday]	<i>The Compass, Magnetic Effect of the Electric Current, Magnetic Field of a Coil, and Induction Voltage (Physics Kit-Electricity Handout)</i>
July 30 [Tuesday]	<i>The Fuse, Power & Energy, and Voltage Transformation (Physics Kit-Electricity Handout)</i>
August 1 [Thursday]	<i>The Eye & Visual Defects (Physics Kit-Optics Handout)</i>
August 6 [Tuesday]	EXAM 2