

**GENERAL PHYSICS WITH CALCULUS II - PHY2049L****TERM 20243 – SUMMER 2024, SESSION 3****Meeting on Mondays & Wednesdays: July 1 – August 5, 2024****2:15 PM – 5:00PM****Building 57, Room 224****Required Lab Manual and Notebook:**

1. *Lab Manual is on D2L*

**LAB SCHEDULE**

<b>DATE</b>	<b>TITLE OF EXPERIMENT</b>
July 1 [Monday]	<i>Introduction, General &amp; Electrical Lab Safety; Calculus Primer (Handouts); Graphing with Excel (Handout)</i>
July 3 [Wednesday]	<i>Graphs and Equations (Handout); Electricity and Circuits (PASCO Modular Circuits Kit Handout)</i>
July 8 [Monday]	<i>Measuring Voltages, Resistance Measurement, &amp; Measuring Currents (Physics Kit Handout)</i>
July 10 [Wednesday]	<i>Capacitors and RC Circuits (PASCO Modular Circuits Kit Handout)</i>
July 15 [Monday]	<i>Overbeck Electric Field Mapping (Handout)</i>
July 17 [Wednesday]	<b>EXAM 1 {PRACTICAL}</b>
July 22 [Monday]	<i>Ohm's Law &amp; Resistances in Series and Parallel (Physics Kit-Electricity Handout)</i>
July 24 [Wednesday]	<i>The Compass, and Magnetic Effect of the Electric Current, Magnetic Field of a Coil, and Induction Voltage (Physics Kit-Electricity Handout)</i>
July 29 [Monday]	<i>The Fuse, Power &amp; Energy, and Voltage Transformation (Physics Kit-Electricity Handout)</i>
July 31 [Wednesday]	<i>The Eye &amp; Visual Defects (Physics Kit-Optics Handout)</i>
August 5 [Monday]	<b>EXAM 2</b>