

**GENERAL PHYSICS WITH CALCULUS I LAB - PHY2048L**

**SUMMER TERM 20243 – SESSION 2 [Meeting on Tuesdays & Thursdays from May 14, 2024 – June 20, 2024]**

**2:00PM – 4:30PM; Building 57, Room 224**

**Required Lab Manual and Notebook:**

1. **GENERAL PHYSICS WITH CALCULUS I LAB MANUAL** is posted on D2L

<b>LAB SCHEDULE</b>	
<b>DAY</b>	<b>TITLE OF EXPERIMENT</b>
May 14 (Tuesday)	<i>Introduction, Safety, <b>Math for Physics</b> [<u>Lab Math Primer Handout</u>]</i>
May 16 (Thursday)	<i><b>Creating Graphs and Linearizing Data</b> &amp; Significant Figures; Propagation of Errors (<u>CENCO Physics Handout</u>)</i>
May 21	<i><b>Measurements &amp; Instruments</b></i>
May 23	<i><u>Vector Primer (Handout)</u> &amp; <b>The Addition and Resolution of Vectors</b></i>
May 28	<i>Newton's Second Law (<u>PASCO Handout-SPARKvue Version</u>) &amp; Inclined Plane (<u>Physics Kit Handout</u>)</i>
May 30	<i>Uniform Circular Motion-Centripetal Force (<u>PASCO Handout</u>)</i>
<b>June 4</b>	<b>EXAM 1 {Practical}</b>
June 6	<i>Energy Transformations in Multiple Collisions (<u>CENCO Physics Handout</u>)</i>
June 11	<i><b>Torque, Equilibrium, and Center of Gravity</b></i>
June 13	<i>Rotational Inertia Lab (<u>Arbor Scientific Handout</u>)</i>
June 18	<i><b>Standing Waves in a String</b></i>
<b>June 20</b>	<b>EXAM 2</b>