

## LABORATORY SECTION

**When & Where:** Tuesdays 9:00 to 11:50 am or 1:55 to 4:45 pm; Butterfield 206

**Objective:** To supplement class lectures by providing an opportunity for students to perform experiments.

**Groups:** The class will be divided into groups of two students each. Each group must be ready to perform their labs in the order listed in the Lab Schedule table according to the times listed in the Group Order tables. Each group may come to the lab early to begin preparation.

**Lab Schedule:**

Week	Date	Month	Lab	Title	Activity	Group Order*
2	15	September	1	Design of a Locking Oval Carabiner	Pre-Lab	not applicable
3	22	September			Experiments	not applicable
4	29	September			Post-Lab	not applicable
5	6	October	2	Torsion of Metal Rods	Pre-Lab	not applicable
6	13	October			Experiments	1; 2; 3; 4; 5
7	20	October	3	Beam Bending	Pre-Lab	not applicable
8	27	October			Experiments	5; 4; 3; 2; 1
9	3	November	4	Pop Can	Pre-Lab	not applicable
10	10	November			Experiments	3 & 4; 2 & 5; 1
<b>11</b>	<b>17</b>	<b>November</b>	<b>PROBLEM SESSION</b>			

\* See the below Group Order tables.

**Labs 2 & 3 Group Order:**

Laboratory Section 1		
Group	Start Time	End Time
first listed	9:00 am	9:20 am
second listed	9:25 am	9:45 am
third listed	9:50 am	10:10 am
fourth listed	10:15 am	10:35 am
fifth listed	10:40 am	11:00 am

Laboratory Section 2		
Group	Start Time	End Time
first listed	1:55 pm	2:15 pm
second listed	2:20 pm	2:40 pm
third listed	2:45 pm	3:05 pm
fourth listed	3:10 pm	3:30 pm
fifth listed	3:35 pm	3:55 pm

**Lab 4 Group Order:**

Laboratory Section 1		
Group	Start Time	End Time
first listed	9:00 am	9:45 am
second listed	9:50 am	10:35 am
third listed	10:40 am	11:25 am

Laboratory Section 2		
Group	Start Time	End Time
first listed	1:55 pm	2:40 pm
second listed	2:45 pm	3:30 pm
third listed	3:35 pm	4:20 pm

**Lab Notebook:** A lab notebook is required from each student at the last lab period of the term. See the course website for details regarding the lab notebook.

**Reports:** A report is required from each student for each lab. Reports are due the lab period following the concluding period of each lab. See the course website for details regarding lab reports and an example.