

## (EP101) Introduction to Physics Experiment Workshop Syllabus

Nov 2023 Version

### Basic Information

**Duration per session:** 3 hours

**Number of sessions:** 4

**Starting Date:** After Nov 17 - 19, 2023. Contact us to arrange your starting date

**Min Number of Student:** 5. You may contact other interested student to register as a group.

**Base Tuition:** \$30.00 per hour

**Material Fee:** \$10.00 per session

**Total Tuition:** \$400.00

### Session Outline

Session Number	Time (hours)	Activity
1	1.0	Famous Experiment
	0.5	Lab Safety Training
	1.5	1 <sup>st</sup> Experiment: Measure Spring Constant
2	0.5	Graphing
	1.0	Error Analysis
	1.5	Analyze Data from Spring Constant
3	1.0	Non-linear Fitting and Analysis
	1.5	2 <sup>nd</sup> Experiment: I-V of Resistor and Diode
	0.5	What Makes a Good Lab Report?
4	0.5	Peer Review Lab Report
	0.5	Analyze a Published Article
	1.0	Get Started Writing in $\text{\LaTeX}$
	1.0	Buffer Time

### Registration, Contact, and Payment

**Registration:** Send an email to [info@scitechnia.org](mailto:info@scitechnia.org). Please include the student name, grade, workshop name (e.g. EP101), and desired date of start.

**For Inquires:** Please email [info@scitechnia.org](mailto:info@scitechnia.org)

**Payment:** e-Transfer to [info@scitechnia.org](mailto:info@scitechnia.org).