

2013

161-01 Introduction Physics Lab I

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PHYS 161 - Introductory Physics Lab I
Fall 2013

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The goals of this laboratory course are to

- enhance and supplement the material in the introductory physics lecture.
- learn topics not covered in the lecture.
- learn general physics experimental methods.
- practice presenting data in written form.

PHYS 161 is a one credit hour lab course. PHYS 160 lecture is a separate course with a separate grade. The topics covered in lab sometimes complement the lecture, but some topics are independent material.

Grading:	8 lab memos	25 points each	200	Points
	2 lab reports	50 points each	100	Points
	2 exams	100 points each	<u>200</u>	<u>Points</u>
		Total	500	Points + Quizzes

Grading Scale:	87	B+	77	C+	67	D+
	93	A	83	B	73	C
	90	A-	80	B-	70	C-
					63	D
					60	D-

Both the point values and grading scale are subject to change.

Lab Exams:

You are expected to understand the concepts behind each lab, as well as the procedures used. You must also understand any graphs used in lab. Both exams will be multiple choice and short answer, and will be closed book/notes.

Labs

Motion and Graphs	Centripetal Force
Acceleration	Work and Energy
Projectile Motion	Conservation of Linear Momentum
Vectors	Rotational Dynamics
Newton's Second Law of Motion	Archimedes Principle