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## Laboratory for Introductory Physics for Life Sciences (II) PHY 124 Fall 2015

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[About](#)

This is the organizational page for the Physics Introductory Labs PHY 124 for Fall 2015.

#### Instructors

#### Director of UG Laboratory

#### Teaching Assistants

K. Dehmelt

B. Nielsen

Jun-Sik Yoo, Kyle Lee, Joonhyuk  
Kwon,

[klaus.dehmelt@stonybrook.edu](mailto:klaus.dehmelt@stonybrook.edu)

[bent.nielsen@stonybrook.edu](mailto:bent.nielsen@stonybrook.edu)

Michael Cochran

A. Deshpande (Principal)

[abhay.deshpande@stonybrook.edu](mailto:abhay.deshpande@stonybrook.edu)

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#### Scope

The scope of the introductory labs is to give an understanding of basic experimental methods applied in physical sciences. The experiments performed during the lab sessions are closely related to the topics covered in the lecture.

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#### Overview

You will perform each week an experiment as indicated in the [Calendar](#) section. You have 1 hr 50 min time to perform each experiment. This time includes finalizing your report for the session that you will have to submit to your teaching assistant at the end of the session.

Your performance in the lab session will be evaluated by your teaching assistant. The evaluation is based on an interview that will be conducted in form of a quiz at the beginning of the session and your performance during the experiment that includes a final report to be submitted at the end of the session.

The interview will determine how well you are prepared for that particular experiment which is very important for the successful accomplishment of the experiment. The interview will count 20% toward your grade on the particular lab experiment.

Your performance/report will count 80% toward your grade on the particular lab experiment.

You are required to perform each lab experiment by yourself, mostly together with a lab partner.

If you need to be absent for a lab experiment you will have to provide written documentation for a significant

reason to be absent, e.g., a medical note from your doctor, a written document about jury duty, and similar. You will then have the opportunity to make up the lab experiment in the dedicated make-up week. If you are absent for a non-excusable reason your lab grade for that particular experiment will be Zero (0) points!

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## Calendar

The first lab sessions will take place in the week starting from **Monday, August 31**.

For grading policy and methods please refer to:

Please refresh your understanding of [Uncertainty, Error & Graphs](#)

The sequence of Labs in PHY 124 is the following:

Lab 1: August 31 - September 3, 2015 [The Oscilloscope](#)

**Holiday week (Labor Day), NO LAB: September 7 - 10, 2015**

Lab 2: September 14 - 17, 2015 [The Electric Field](#)

Lab 3: September 21 - 24, 2015 [DC Circuits](#)

Lab 4: September 28 - October 1, 2015 [e/m of the Electron](#)

**Midterm Exam week, NO LAB: October 5 - 8, 2015 [Make-up labs 1 - 4](#).**

Lab 5: October 12 - 15, 2015 [The Magnetic Field/Induction](#)

Lab 6: October 19 - 22, 2015 [AC Circuits](#)

Lab 7: October 26 - 29, 2015 [Interference and Diffraction](#)

Midterm Exam week, **NO LAB**: November 2 - 5, 2015 [Make-up labs 5 - 7.](#)

Lab 8: November 9 - 12, 2015 [Optics](#)

Lab 8: November 16 - 19, 2015 [Atomic Spectra](#)

Holiday week (Thanksgiving), **NO LAB**: November 23-26, 2015

November 30 - December 3, 2015: [Make-up labs 8 - 9.](#)

**LABORATORY SCHEDULE & TEACHING ASSISTANTS:**

<b><u>Lab Sec.</u></b>	<b><u>When</u></b>	<b><u>Where</u></b>	<b><u>Teaching Assistant</u></b>
L01	Mon 1:00PM -2:50PM	PHYSICS A120	TBD
L02	Mon 4:00PM -5:50PM	PHYSICS A120	TBD
L03	Mon 6:30PM-8:20PM	PHYSICS A120	TBD
L04	Wed 6:30PM-8:20PM	PHYSICS A120	TBD
L05	Tue 1:00PM-2:50PM	PHYSICS A120	TBD
L06	Tue 6:30PM-8:20PM	PHYSICS A120	TBD
L07	Thu 1:00PM-2:50PM	PHYSICS A120	TBD
L08	Wed 4:00PM-5:50PM	PHYSICS A120	TBD

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**Reporting Problems**

Please report any problem to either, your corresponding lab instructor, Professor Deshpande, or Professor Dehmelt.

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