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## Laboratory for Introductory Physics for Life Sciences (I) PHY 123 Spring 2016

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[About](#)

This is the organizational page for the Physics Introductory Labs PHY 123 for Spring 2016.

#### Instructors

K. Dehmelt

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

#### Director of UG Laboratory

B. Nielsen

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

#### Teaching Assistants

Tyler Ellison  
([tyler.ellison@stonybrook.edu](mailto:tyler.ellison@stonybrook.edu)),

Evan Philip  
([evan.philip@stonybrook.edu](mailto:evan.philip@stonybrook.edu)),

Giulia Bertino  
([giulia.bertino@stonybrook.edu](mailto:giulia.bertino@stonybrook.edu)),

John Tucker  
([john.tucker@stonybrook.edu](mailto:john.tucker@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.

Each week before your lab you should complete a lab preparation exercise (Maple T.A.) that you will find on the Blackboard area for your PHY 123-L## lab section under Assignments. The assignment will typically go “live” Thursday (around 1:15 pm) of the week before the lab for which it is the pretest. Note that the assignment will be available to you until the end of M\_F classes (Friday, May 05 at 11:59 PM). The lab preparation exercise will not be graded per se. Please familiarize yourself with [Maple T.A. syntax](#)

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. You have to arrange with your teaching assistant for a make-up session.

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, January 25**.

For grading policy and methods please refer to:

The sequence of Labs in PHY 123 is the following:

Lab 0: January 25 - 28 [Introduction to the laboratory and Uncertainty, Error & Graphs](#)

Lab 1: February 01 - 04, 2016 [Acceleration](#)

Lab 2: February 08 - 11, 2016 [The Pendulum](#)

Lab 3: February 15 - 18, 2016

Midterm Exam week, NO LAB: February 22 - 25, 2016 [Make-up labs 1 - 3](#).

Lab 4: February 29 - March 03, 2016

Lab 5: March 07 - 10, 2016

Spring Break, NO LAB: March 14 - 18, 2016

Lab 6: March 21 - 24, 2016

Lab 7: March 28 - 31, 2016

Midterm Exam week, NO LAB: April 04 - 07, 2016 Make-up labs 4 - 7.

Lab 8: April 11 - 14, 2016

Lab 9: April 18 - 21, 2016

Lab 10: April 25 - 28, 2016

Last week of classes, NO NEW LABS: May 02 - 06, 2016 Make-up labs 8 - 10.

LABORATORY SCHEDULE & TEACHING ASSISTANTS:

<u>Lab Sec.</u>	<u>When</u>	<u>Where</u>	<u>Teaching Assistant</u>
L01	Mon 12:00PM - 1:50PM	PHYSICS A121	Tyler Ellison
L02	Mon 2:30PM - 4:20PM	PHYSICS A121	Evan Philip
L03	Mon 4:30PM - 6:20PM	PHYSICS A121	Tyler Ellison
L04	Thu 1:00PM - 2:50PM	PHYSICS A121	Giulia Bertino
L05	Tue 1:00PM - 2:50PM	PHYSICS A121	Giulia Bertino
L06	Tue 6:00PM - 7:50PM	PHYSICS A121	Evan Philip
L07	Wed 2:30PM - 4:20PM	PHYSICS A121	John Tucker
L08	Wed 4:30PM - 6:20PM	PHYSICS A121	John Tucker

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Reporting Problems

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

