	Department of Phy	sics and Astronomy	and at hand had a		
	Main PHY 122	PHY 133 PHY 134			
Laboratory for Introductory Physics for Life Sciences (II) PHY 122 Lab Spring 2020					
TABLE OF CONTENTS About Scope Overview Manuals and Course Schedule Reference Documents and To Lab Sections Late Work and Absence Policit Contact Us	ies	bout			
¹ Anti-American Street St		portion of PHY 122 for Spring 2020.			
Instructors R. Lefferts	<u>Director of UG Laborator</u> B. Nielsen	Rocco Amorosso Rocco.Amor Jay Bhambure jay.bhambu Aaron Dunbrack Aaron.Dunb Eric Johnson Eric.T.Johnso	re@stonybrook.edu rack@stonybrook.edu on@stonybrook.edu @stonybrook.edu		
	the second se	cope	and the state of the second		
The scope of the introductory lab experiments performed during the	os is to give an understanding o ne lab sessions are closely relat	basic experimental methods applied in d to the topics covered in the lecture.			
	Ov	rview	Back to Top		
 For each lab, your perfomance w Pre-Lab Quiz (15 pts): Sh Data table (10 pts): A rea Analysis (60 pts): Varies, Graphs (see the PHY12 Calculations, including u Questions (listed in lab Other: Some labs requir Abstract (15 pts): A concise the pre-lab quiz will always be do start of the subsequent lab class, Reports are to be done individe Although collaboration is allowed, Your final score will be an average 	xperiment as indicated in the M yourself or with a lab partner. E ill be evaluated by your teachin nort set of questions (on Blackbo sonably-formatted copy of the of consists of the following compo 21/122 Plotting Tool) uncertainty propagation (relevan manuals; some selection will be re other specific items, which w se summary of all important result with possible exceptions to be fually (including data collection , your work should be your own e from your single lab grades so e 25% to your grade in PHY 122	anuals and Course Schedule section. ach experiment will come with a manua g assistant based on the following comp ard) about lab procedure and goals. ata you took in lab (along with calculat hents: t work shown) chosen by your TA) Il also belong to this section. ults of the experiment. is performed. All other components wil specified by your TA. - you and your partner should independ Work that is duplicated between report aled by a factor that will be determined You will receive a single final grade for	I that you can access below. conents: ed quantities, as relevant). I generally be due by the dently record all data). ts will be punished severely.		
The first lab sessions will take pla		ourse Schedule	the state of the second		
The first lab sessions will take pla	the in the week starting from M	nday, January 27.			
	30): Introduction to Labs y 07): The Oscilloscope (Dat:				

Lab 3 (Fel	bruary 17 - February 24): DC	Circuits (Dat	ta Sheet)	
	4 - February 27: Make-u			
			TOF Labs 1 - 3. N	NO IAD CIASSES.
	arch 02 - March 05): Magnetic			
	arch 09 - March 12): Magneti			
	March 22: Spring Break.			
 Lab 6 (Ma 	rch 23 - March 26): Capacitor			
March 30 -	April 02: Make-up Lab W	lasses.		
• Lab 7 (Ap	ril 06 - April 09): Reflection			
	ril 13 - April 16): Optical Ins			
	ril 20 - April 23): Diffraction,			(Data Sheet)
	pril 27 - April 30): Atomic Sp			
	: Make-up Week Day for			
Link To All Da		Labs /-10.		
	ata onecto			
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Here are come	documente veu will find hala	THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE REAL PROPERTY OF THE PROPER	Documents and	
Lab Report E	vnostations	rui. You can fin	id more information	via links on the Reference Documents Page.
	ertainty and Error Analysis			
Google Sheet				
	ing and Using Plots			
	to the plotting tool we will use Plotting Tool	to make our g	raphs in this class:	
FIII 121/122	Plotting 1001			
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Section	When		Sections	
PHY122 L01	Mo 12:00 - 1:50pm	Where A-120	Teaching Assist TBA	ant
PHY122 L02	Mo 12:00 - 1:50pm	A-118	TDA	
PHY122 L03	Mo 2:00pm - 3:50pm	A-120		
PHY122 L04	Mo 2:00pm - 3:50pm	A-118		
PHY122 L05 PHY122 L06	Mo 4:00pm - 5:50pm	A-120		
PHY122 L00	Mo 4:00pm - 5:50pm Th 3:00pm- 4:50pm	A-118 A-120		
PHY122 L08	Th 3:00pm- 4:50pm	A-120 A-118		
PHY122 L09	Tu 1:00pm- 2:50pm	A-120	TBA	
PHY122 L10	Tu 1:00pm- 2:50pm	A-118		
PHY122 L11	We 2:30pm - 4:20pm	A-120		
PHY122 L12 PHY122 L13	We 2:30pm - 4:20pm We 4:30pm - 6:20pm	A-118	TBA	
PHY122 L13	We 4:30pm - 6:20pm We 4:30pm - 6:20pm	A-120 A-118	ТВА	
PHY122 L15	Th 1:00pm - 2:50pm	A-118 A-120		
PHY122 L16	Th 1:00pm - 2:50pm	A-118	ТВА	
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A A PERIOD			and Absence Po	
rou are respons nere: Due Dat	sible for keeping track of dead es	lines for your l	lab reports. A list of	deadlines (and return dates for work) is available
Be alert to anno	ouncements about changes to	this schedule	from your TA or via	Blackboard.
Any lab report	t submitted after the deadl	ine will not b	e considered and	receive zero points for the lab experiment.
exceptions for p	partial credit may be granted b	by a TA or the	course instructor, wi	ith suitably documented reasons.
f you need to b	be absent for a lab experiment note from your doctor or a wr	you will have	to provide written d	bcumentation for a significant reason to be absent,
Vith such docu	mentation, you will have the o	pportunity to i	make up the lab eve	periment in the dedicated make-up week. Under
f you are abser	nt for a non-excusable reason	vour lab grade	e for that particular	Up Request Form. experiment will be Zero (0) points! If you are absent
or a non-excus	able reason for more than one	e lab you will fa	ail PHY 122.	
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	A REAL PROPERTY AND A REAL		Contact Us	
nere are three	ways to ask questions or repo	ort problems:		

- To contact your TA, use the e-mail addresses provided at the top of this page. This is the best option for lab-specific questions, such as checking requirements.
- To contact all TAs, use PHY121_lab@stonybrook.edu. This is the best option for general physics questions. If you cannot get
 in touch with your own TA and have a question on how to do a calculation (or why numbers look weird), this is also a
 reasonable place to contact.
- For administrative concerns and TA issues contact the course instructor, Richard Lefferts, at phy_introlabs@stonybrook.edu.

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