

PHY246 – Physics III Lab



CRN: 20074	Credit: 1
Instructor: Glenda Denicoló (PhD)	E-mail: denicog@sunysuffolk.edu
Website: http://gdenicolo.net and Bb (most course material will be in Bb)	
Instructor office hours (my office is T-218): <i>The instructor's schedule is also available online: website above.</i>	Mon 1 – 2:30 pm
	Tue 12:30 – 2 pm
	Thu 1 – 2 pm
	Online hour (NOT on campus): Mon 6 – 7 pm
Hours of physics tutors at the Help Center: posted on T-16 or online at http://gdenicolo.net	

How to access Bb (Blackboard), our virtual campus?

Go to the MySCCC portal: <https://mysccc.sunysuffolk.edu/>, enter your username and password. Once inside the MySCCC portal, click on the **Suffolk Online** banner on the top menu, and then click on the **Bb Blackboard Login** button. One more time, you might have to click on a new **Bb Login** button again. Once inside the Bb environment, there are links to video tutorials/student orientation you can watch. You will see a tab at the top that says "Courses", click there. If PHY246 is not there yet, make a search for the word PHYSICS (course search box is on the bottom-right). The physics course you are currently taking will show up, click on it, and that's it, next time you won't need to do that search anymore, just follow the same steps to login to Bb.

GRADE POLICY

Activity	Points
8 out of 10 Lab Reports (1 week after experiment)	80%
Lab Midterm	10%
Lab Final	10%

All experiments will be performed in groups of no more than 4 people. Data acquisition must be performed as teamwork, everyone must participate, and all are equally responsible for the quality of the data. Once data acquisition is finished and the groups had a chance to review & discuss the experiment during the lab, the remaining activities **MUST BE COMPLETED INDIVIDUALLY**.

Lab reports: Students have exactly ONE WEEK after the experiment to turn in a required lab assignment/report. Lab reports turned in **1 day late** (1 single day late, not 1 class late!) will be penalized with a **20% reduction** in grade. **Anything after that will receive a zero.** There will be NO LAB MAKE-UP for missed experiments. However, TWO reports with the lowest grades will be dropped from final grade calculation.

At least one lab report must be written using LaTeX. If not, then at the end of the semester, seven lab report grades will be averaged, and one of these seven lab reports with a grade close to average will be given a ZERO (its grade will be dropped, which represents a reduction of about 10 points in your final grade).

Attendance is based on the completion of the experiment AND the required lab report. Students who are not present on the day of the experiment cannot submit a report and will receive zero.

It is the student's responsibility to check grades online on a weekly basis. If any grade is missing or incorrect, if graded lab reports have not been returned within 2 weeks by the professor, **STUDENTS MUST ALERT THE PROFESSOR WITHIN 2 WEEKS**. I do not want to hear about a lab report grade that went missing 2 months ago! That will be very suspicious! Stay on top of your grades.

There will be NO curving of the grades in this course. Your final grade is non-negotiable. This is the letter grade breakdown that will be used throughout the semester:

89.5 ≤ A ≤ 100
84.5 ≤ B+ ≤ 89.4
79.5 ≤ B ≤ 84.4
74.5 ≤ C+ ≤ 79.4
69.5 ≤ C ≤ 74.4
64.5 ≤ D+ ≤ 69.4
59.5 ≤ D ≤ 64.4
F ≤ 59.4

Important Note:

At the end of the course, once all the grades are in, a 69.1 for example, translates into a D+ and never to a C. Students must understand what it means when we say "YOUR FINAL GRADE IS NOT NEGOTIABLE". It means the grade breakdown shown IS FIRM. A difference of even 0.1 point in your final grade is NOT NEGOTIABLE. You have been warned about this since the first day of class, so you must prepare accordingly. At the end of the course, no other activity will be given in order to change your final grade: at the end of the course, after your last test, the conversation is OVER.

According to the Family Educational Rights and Privacy Act (FERPA), grades will never be discussed by e-mail or phone, only in person.

ABSENCE POLICY

Students absent from more than 2 experiments without a well-documented justification may be dropped from the course.

E-MAIL COMMUNICATION WITH THE INSTRUCTOR

E-mail is the preferred means of communication with your instructor. The instructor will ALWAYS reply to your message within 24 hours (with the exception of weekends and holidays). If your instructor does not reply within 24 hours it is because you did NOT succeed in sending the message, and it is YOUR RESPONSIBILITY to check whether you typed the correct e-mail address or any other simple mistake as such. In the case of an emergency, you are allowed to submit one assignment by e-mail *before* the deadline (only once!) but a printed paper copy of your work should ALWAYS be provided to the instructor in the following class.

Notice that in the case of an emergency, the instructor may also try to get in touch with you via e-mail. The instructor will write an e-mail to your official college e-mail address (ending in @sunysuffolk.edu). This is the e-mail address you should be reading at all times concerning SCCC official announcements.

WITHDRAWAL POLICY

This instructor will NOT grant "W" after the mid-semester cutoff to any student, unless a very well justified case comes up, with documentation proving this extreme case. Mid-semester cutoff for Spring 2018: *Wednesday, March 21*. Only students who submit a course withdrawal form on or before this date are guaranteed a grade of "W".

Please note that this means if you stop attending class without officially withdrawing in the time period provided, you will very likely be given an F by your instructor. It is common courtesy to communicate to your instructor the fact that you are leaving the course. If you have a failing (F) average after the mid-semester cutoff, you will be given an F rather than a W as your final grade, even if you stop attending class.

DISABILITY SUPPORT SERVICES STATEMENT

If you have a physical, psychological, medical, or learning disability that may impact your course work, please read <http://www.sunysuffolk.edu/Students/Disability.asp>. Students who need special services or accommodations must submit written proof of their disability to their home campus office so that appropriate arrangements can be made before the start of classes. Students who require assistance during emergency evacuation are encouraged to discuss their needs with their professors and Disability Support Services.

CRITICAL INCIDENT MANAGEMENT

SCCC expects students to respect the rights, privileges, and property of other people. Faculty are required to report to the Dean of Students Services any disruptive behavior that interrupts their ability to teach, compromises the safety of the learning environment, and/or inhibits students' ability to learn. The Office of the College Associate Dean of Students and/or the Campus Associate Dean of Student Services shall maintain all records of documented acts of academic dishonesty.

ACADEMIC INTEGRITY STATEMENT

Each student must pursue his or her academic goals honestly and be personally accountable for all submitted work. Representing another person's work as your own is always wrong. Faculty is required to report any suspected instance of academic dishonesty to the Campus Associate Dean of Students Services. For more comprehensive information on academic integrity, including categories of academic dishonesty, please refer to the Student Code of Conduct at the website at: http://www3.sunysuffolk.edu/forms/Policies_9.pdf

Special Procedures for Academic Dishonesty (extracted from the Student Code of Conduct)

If a faculty member concludes that a student has committed an act of academic dishonesty, the faculty member may initiate student conduct action through the College Associate Dean of Students and/or may notify the student that s/he has imposed any of the following penalties:

1. require that the student repeat the assignment or the examination; or
2. give the student a failing grade for the assignment or examination; or
3. give the student a failing grade in the course and deny the student continued access to the class.

CELL-PHONE POLICY

During lecture, cell phones are allowed, for safety reasons, as long as they are kept in SILENT mode. However, cell phones must be put away completely during tests: there will be no excuse.

IMPORTANT DISCLAIMER:

General rules are printed in your course outline. But even if a rule is not *specifically* printed on your course outline, it may be announced only in class and it is a valid new rule that must be followed. If there are changes to any existing rules, these too will be announced in class whether or not they are in print.

Students are responsible for apprising themselves of *anything* that transpires in class whether or not they are in attendance. **All students need to be aware of all announcements whether or not they are in attendance.** Ask another student. E-mail the professor and ask to update you on any new announcements. If you have missed a class, you have to ask, it is YOUR responsibility to ask.

Professors are not “babysitters”, i.e., they will not remind you all the time of the requirements presented in the course outline: you have the responsibility to know what is strictly expected from you.

All students are personally accountable for all submitted work.

You must keep track of your own progress in class. Calculate your average grade at all times; estimate your own final grade to know where you are heading: this only requires basic math knowledge!

YOU are responsible for the grade you receive.

Professors are just messengers in the classroom: the grade you get is not “given” by the professor – it is **the grade that you gave to yourself**, in direct correspondence to how much YOU have studied and learned about the subject. Taking responsibility for your own acts and taking responsibility for your own work is a good rule for life.

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Please hand in this signed slip within the first week of class.

I have read and I am fully aware of all the information contained in the course outline for PHY246.

Name (please print): _____

Date: ____/____/____

Your signature: _____

PHY246

Tuesdays 9:30 – 11:20 am (T-14)

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Date	Lab	Experiment/ Activity
Jan 30		Introduction & software exercises
Feb 06	1	Simple and Damped Harmonic Motions
Feb 13	1 (cont.)	Simple and Damped Harmonic Motions (cont.)
Feb 20	2	Phase Measurements on Oscilloscope
Feb 27	2 (cont.)	Phase Measurements on Oscilloscope (cont.)
Mar 06	3	Damped Oscillations in LRC Circuit
Mar 20	4	Resonance in the LRC circuit
Apr 03	5	Filter Circuits
Apr 10		Lab midterm
Apr 17	6	Standing Waves
Apr 24	7	Speed of Sound in Air
May 01	8	Geometrical Optics – Lenses and Mirrors
May 08	9	Diffraction and Interference of Light
May 15	10	Mechanical Equivalent of Heat
May 22		Lab final