

**PHY125: Classical Physics A****Fall 2021**

**PHY125** is the first of a three-course sequence on calculus-based, introductory-level physics. PHY125 covers classical mechanics of point-like and solid objects. The other two courses in the sequence are PHY126 and PHY127, which, together, cover fluids, waves and thermodynamics, electricity, magnetism, and optics.

<b>Instructors</b>	Prof. Emilio Mendez	Prof. Linwood Lee
	Physics Building, Room B142 phone: 631-632 8065 <a href="mailto:emilio.mendez@stonybrook.edu">emilio.mendez@stonybrook.edu</a>	Physics, Room C-106 631-632 8116 linwood.lee@stonybrook.edu

**Textbook** Physics for Scientists & Engineers, 5<sup>th</sup> edition  
Douglas C. Giancoli, Pearson Prentice Hall  
PHY125 will cover chapters 1 to 12  
The book can be purchased together with the Student Access Code for logging on to MasteringPhysics, where students will complete homework assignments.

<b>Lectures</b>	Mon., Wed., Fri. 8 am – 8:55 am	Mendez	Harriman Hall 137
	First day of class: August 23		
	Last day of class: December 6		
	No classes on September 6 (Labor Day), November 24-26 (Thanksgiving Break)		

<b>Recitations</b>	Rec. 01: Mon. 11:45 am – 12:38 pm	Mendez	Melville Library 4530
	Rec. 02: Wed. 11:45 am – 12:40 pm	Mendez	Frey Hall 201
	Rec. 03: Fri. 1:00 pm – 1:53 pm	Lee	Melville Library 4530
	Rec. 04: Tue. 3:00 pm – 3:55 pm	Lee	Physics P127
	Start the week of August 30		

<b>Office Hours</b>	Monday and Friday (9:30 am to 11:00 am)	Physics B142
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**Help Room** Hours to be announced. Staffed by Instructors and Teaching Assistants

**Equipment** Internet-connected computer/laptop for homework and evaluations  
“Clicker” for classroom participation

**& Software** Pearson’s Mastering Physics license for assignments and evaluations

**Blackboard** Used for course announcements, distribution of lecture material, and weekly homework assignments

**Homework** Weekly assignments from Pearson’s MasteringPhysics (via Blackboard)

**Evaluations** Several quizzes during recitation hours. Dates selected at random by instructor  
Two mid-term exams during lecture time (on or around 10/1 and 11/5)  
Final exam on 12/15, from 8 am to 10:45 am

**Grades** **Numerical grade**  
10% Homework; 15% Quizzes  
40% Midterm Exams (20% each); 35% Final Exam

**Letter grade**  
 $100 \geq A \geq 90$     $89 \geq A^- \geq 85$   
 $84 \geq B^+ \geq 80$     $79 \geq B \geq 75$     $74 \geq B^- \geq 70$   
 $69 \geq C^+ \geq 65$     $64 \geq C \geq 55$     $54 \geq C^- \geq 50$   
 $49 \geq D \geq 45$     $44 \geq F \geq 0$

**Study Tips** (Adapted from Giancoli, p. xviii)  
Before class, read textbook sections to be covered in class; get familiar with vocabulary and notation. Do extra-credit Dynamic Study Module.  
Attend all classes, both lectures and recitations. Participate in class discussions and exercises. Watch recorded sessions if you couldn't come to class or would like to review some of the material.  
After class, read textbook material covered in class, paying attention to main concepts, details and worked-out examples. Do homework problems corresponding to material covered that day in class.

### **Academic Integrity**

Each student is accountable for all submitted work. Representing another person's work as your own is wrong. Faculty are required to report any suspected instances of academic dishonesty to the Academic Judiciary. For more comprehensive information on academic integrity, including categories of academic dishonesty, please refer to the academic integrity website at [http://www.stonybrook.edu/commcms/academic\\_integrity/index.html](http://www.stonybrook.edu/commcms/academic_integrity/index.html) .

### **Americans with Disabilities Act**

If you have a physical, psychiatric/emotional, medical or learning disability that may impact on your ability to carry out assigned course work, you should contact the staff in the Disability Support Services office [DSS], ECC (Educational Communications Center) Building, Room 128, (631)632- 6748. They will determine with you what accommodations, if any, are necessary and appropriate. All information and documentation is confidential.  
<https://web.stonybrook.edu/newfaculty/StudentResources/Pages/DisabilitySupportServices.aspx>  
Students who require assistance during emergency evacuation are encouraged to discuss their needs with their professors and Disability Support Services. For procedures and information go to the website

<http://www.sunysb.edu/ehs/fire/disabilities.shtml> .

### **Critical Incident Management**

Stony Brook University expects students to respect the rights, privileges, and property of other people. Faculty are required to report to the Office of University Community Standards any disruptive behavior that interrupts their ability to teach, compromises the safety of the learning environment, or inhibits students' ability to learn.

### **Religious Observances**

The academic calendar has no religious holidays. See the List of Religious and Other Holidays and other relevant links at

[http://www.stonybrook.edu/commcms/provost/faculty/handbook/employment/list\\_of\\_religious\\_and\\_university\\_holidays#view-s2018](http://www.stonybrook.edu/commcms/provost/faculty/handbook/employment/list_of_religious_and_university_holidays#view-s2018)

Students will be expected to notify the lecture- and/or recitation-instructor(s) by email, in advance, of their intention to be absent for any religious observance during the Fall 2020 semester. They can discuss with their instructor(s) before then how they will be able to secure the work covered.