PHY125: Classical Physics A Fall 2022

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.

Instructor  Prof. Emilio Mendez  
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Textbook  Physics for Scientists & Engineers, 5th 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.

Lectures  Mon., Wed., Fri. 8 am – 8:55 am  
Mendez  
Earth & Space 131  
First day of class: August 22  
Last day of class: December 5  
No classes on  
September 5 (Labor Day),  
October 10, 11 (Fall Break),  
November 23-25 (Thanksgiving Break)

Recitations  Rec. 01: Mon. 11:45 am - 12:38 pm  
Mendez  
Physics P130  
Rec. 02: Tue. 3:00 pm - 3:55 pm  
Mendez  
Physics P116  
Start the week of August 29

Office Hours  Mendez  
Monday and Friday (9:30 am to 11:00 am)  
Physics B142

Equipment & Software  
Internet-connected computer/laptop for homework
Pearson’s Mastering Physics license for weekly homework

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

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

Evaluations  
Weekly quizzes during recitation hours.  
Two mid-term exams during lecture time (on or around 9/30 and 11/4)  
Final exam on 12/14, from 8 am to 10:45 am
Grades

Course Numerical Grade
10% Homework; 15% Quizzes
40% Midterm Exams (20% each); 35% Final Exam
5% Dynamic Study Modules (extra credit)

Course Letter Grade
100 ≥ A ≥ 90  89 ≥ A– ≥ 85
84 ≥ B+ ≥ 80  79 ≥ B ≥ 75  74 ≥ B– ≥ 70
69 ≥ C+ ≥ 65  64 ≥ C ≥ 55  54 ≥ C– ≥ 50
49 ≥ D ≥ 45  44 ≥ F ≥ 0

NOTE: Exams and assignments will NOT be graded on a curve. The final letter grade will be determined by individual performance only (as per the table above), not by a class curve.

Study Tips  (Adapted from Giancoli, How to Study)
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.
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.

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.

Until/unless the latest COVID guidance is explicitly amended by SBU, during Fall 2021 "disruptive behavior" will include refusal to wear a mask during classes. For the latest COVID guidance, please refer to: https://www.stonybrook.edu/commcms/strongertogther/latest.php

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
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.