

Syllabus PHY142

Prof. Mengkun Liu

Class Meetings

The class group will be the same for lecture, lab and recitations and we will meet in the following times and places.

- **Lectures** - Monday, Wednesday, Friday 11:45 AM - 12:40 PM **Frey Hall 313**
- **Recitation** - Tuesday 9:45AM - 11:05 AM **Physics P113**

Attendance at all class meetings is expected and will be taken into account in grading.

The lectures will be Jan 24, 2022 - May 18, 2022. The Recitation will be starting on Feb.1.

Required Materials

The textbook for this course is Giancoli, *Physicists for Scientists and Engineers, 5th Edition* (the same as last semester). You should make sure that you get this with access to the [Mastering Physics](#) homework system which we will be using. If you buy the book at the campus book store it should come with this already. If you buy the book second hand you can purchase access to Mastering Physics separately online at the [Mastering Physics](#) website. An alternative to buying a hard copy of the book is to buy an electronic version, which is also available through the [Mastering Physics](#) website. Another option again is to rent the book from the [University Bookstore](#).

This semester the course code: **TBD**

Assessment

The grades for this course will be determined according to the following breakdown

- Midterm: 24%
- Final Exam: 36%
- Homework: 20%
- Group Project: 20%

The distribution of letter grades for the course will be skewed to reflect the fact that this is a highly challenging course. What this means is that a relatively high fraction of the class can expect to receive an A, but every student who does will have worked extremely hard to do so!

Homework

There will be 11 sets of Mastering Physics problems assigned for homework. Homework set will be due by **9:00 AM** on the date which they are due (due dates are on the [Mastering Physics](#)). Some homework sets will be worth more than others!

As well as the homework sets, sets for practice and review will be made available. The additional question sets will not earn you any credit directly, but the practice questions may help you grasp concepts and the review questions will help prepare you for exams.

Lectures

There will be 3 lectures a week. Lecture notes will be posted after each class. Missing three or more lectures without good reason will automatically fail the course.

Labs

You are highly recommended to enroll in a PHY134 section of your choice. You are recommended to take PHY134 simultaneously with PHY142.

Recitations

Recitation sessions will take place every **Tuesday (except for the first week of class) at 9:45AM**. The recitation sessions will focus on problem solving, and all students are expected to attend and participate.

Exams

There will be one midterm exam and one final exam. All exams are cumulative. You may bring a single letter size sheet of hand written formulas to all exams.

Academic Integrity

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 are required to report any suspected instance of academic dishonesty to the Academic Judiciary. For more comprehensive information on academic integrity, including categories of academic dishonesty, please refer to the academic judiciary website at <http://www.stonybrook.edu/uaa/academicjudiciary/>

Electronic Communication

Email to your University email account is an important way of communicating with you for this course. For most students the email address is 'firstname.lastname@stonybrook.edu', and the account can be accessed here: <http://www.stonybrook.edu/mycloud>. It is your responsibility to read your email received at this account.

For instructions about how to verify your University email address see this: <http://it.stonybrook.edu/help/kb/checking-or-changing-your-mail-forwarding-address-in-the-epo>. You can set up email forwarding using instructions here: <http://it.stonybrook.edu/help/kb/setting-up-mail-forwarding-in-google-mail>. If you choose to forward your University email to another account, we are not responsible for any undeliverable messages.

Religious Observances

See the policy statement regarding religious holidays at <http://www.stonybrook.edu/registrar/forms/RelHolPol%20081612%20cr.pdf> Students are expected to notify the course professors by email of their intention to take time out for religious observance. This should be done as soon as possible but definitely before

the end of the 'add/drop' period. At that time they can discuss with the instructor(s) how they will be able to make up the work covered.

Disability Support Services (DSS)

If you have a physical, psychological, medical, or learning disability that may impact your course work, please contact Disability Support Services, ECC (Educational Communications Center) Building, room 128, (631) 632-6748 or <http://studentaffairs.stonybrook.edu/dss/>. They will determine with you what accommodations are necessary and appropriate. All information and documentation is confidential.

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 Judicial Affairs any disruptive behavior that interrupts their ability to teach, compromises the safety of the learning environment, and/or inhibits students' ability to learn.