

Syllabus

Physics 272 - General Physics II [CRN 71432, 76336,76332] Fall 2020

Instructor Information

Name: Pui Lam

Email: plam@hawaii.edu

Office Hours: MWF 8:30 - 9:20 via Zoom (Zoom link will be provided within Lualima and/or via email).

Course Information

Course Format:

This is an online course with structured activities (reading, homework, chapter quiz, etc.) due each week.

There is a weekly synchronous recitation (via Zoom) conducted by teaching assistants. (You will be contacted by the TA)

I fear that delivering lectures via Zoom to 60+ students will not be effective. Instead, I will post "Instructor's notes" online and convert the lecture hours to office hours.

Visit Lualima course site frequently for announcements and weekly schedule.

Start by going to Lualima course site and click on "Overview" on the left column.

** Reading and homework assignments are administered via Pearson's Master Physics (MP).

MP is included when you purchase the e-text via UH Bookstore's Interactive Digital Access Program (IDAP).

** Quizzes and exams are administered via Lualima at designated times.

Course Websites: <https://lualima.hawaii.edu> and www.pearsonmylabandmastering.com

Prerequisites: PHYS 151 or 170

MATH 242 or 252A (or MATH 216 with consent)

Required Materials:

The course textbook is *University Physics with Modern Physics*, by Young & Freedman, 15th edition. The digital access for the course is being delivered through our bookstore's Interactive Digital Access Program (IDAP). Mastering Physics is included in this purchase.

To access your course materials:

- **Go to www.pearsonmylabandmastering.com**
- **Register with our specific course ID**
- **Use our course specific access code**

How to navigate the course:

We will cover Chapter 21 to 34, ~ 1 chapter/week, so you need to keep a tight regular schedule to avoid falling behind. (We will start a little slower in the first week so that you get used to the format)

Role of textbook – serves as a detailed reference source for the subject; contains lots of information (perhaps too much to be completely assimilated in one semester)

Role of instructor - serves as a "tour guide" for your learning journey, sets the theme for the course, and provides consultations.

Role of the instructor's notes - serves as a short reference guide, emphasize important concepts and techniques. **Use it in parallel with your reading assignment** (it is not a self-contained lecture but a reference guide to the text and other resources)

Role of homework - provides opportunity for active learning and provides feedback on your learning. (Optional tutorials will be assigned in MP to guide your study)

Role of weekly quizzes - provides regular assessment of your learning progress (seek help early if needed)

Role of exams - provides assessment of your accumulated understanding of the course materials.

Role of Forums – provides opportunities for peer-to-peer learning

Office Hours – there will be two types of office hours (1) open group office hours (no appointment necessary) MW 8:30 - 9:20 via Zoom and (2) private consultation (by appointment) F 8:30 - 9:20 via Zoom. To make the office hours more efficient, students should enter their questions ahead of time (link to a Google sheet will be provided within Lulima)

Here is a suggested mode of operation:

- (1) Download the instructor's notes for the chapter.
- (2) Read the instructor's notes alongside with the reading assignment for 2 or 3 chapter sections.
- (3) Do the MP optional self-study assignments to assess your understanding and quantitative skills.
- (4) Do some of the HW assignments.
- (5) Ask questions at office hour, participate in forum discussion to learn from each other.
- (6) you will develop quantitative skills in recitations
- (7) Repeat (2) to (5) for the next 2 to 3 chapter sections until it is completed.
- (8) Review and take chapter quiz.

Expected time commitment:

You are expected to spend ~ 10 hours/week for this course. Here is an estimate:

Guided self-study (instructor's notes, e-text, optional self-study assignments) ~ 3 to 3.5 hours
Homework ~ 1 to 1.5 hours
Attending Recitation – 1 hour
Attending office hours 1 ~ 2 hours
Review for quiz ~ 1 hour
Taking chapter quiz – 1 hour

Grades

HW (20%), Quizzes (30%), Exams (40%), Recitation (10%), Forum Participation (5% extra credit)

Grade on an absolute scale:

96-100 (A+), 91-95 (A), 86-90 (A-)

81-85 (B+), 76-80 (B), 71-75 (B-)

66-70 (C+), 61-65 (C), 56-60 (C-)

51-55 (D+), 46-50 (D), 41-45 (D-)

<40 (F)

Assignment Descriptions and course policies

HW - 1 per chapter (~14 assignments, ~8 questions/assignment). No late homework but will drop the lowest score.

Quizzes – 1 per chapter (~14 quizzes, ~10 questions/quiz, concepts and calculations in multiple choice and fill-in formats). No made-up quiz but will drop the lowest score.

Exams (40% total) – 1 midterm and 1 final. No made-up. Lower score exam (18%), higher score (22%). Midterm and Final Exam consist of concepts and calculations in multiple choice, fill-in, and “show your work” formats)

Forums (5% max. extra credit) - will be given for participations (posting a topic and/or replying a topic). The forums are organized by chapters, they will open for the rest of the semester but only participations before the chapter homework due date will be considered for extra credit.

Exception to the late submissions/made-up will only be considered for officially sanctioned university activities or reasons, or serious other circumstances with documentations.

Student Conduct

Review the [UH Systemwide Student Conduct Code](#) for more information. Review the [Online Netiquette and Privacy Tips](#) to prepare yourself when interacting online.

The use of online test banks, including but not limited to Chegg, Coursehero, Slader, for ANY PURPOSE AT ALL, is considered cheating. Any student found using such sites will receive a failing grade, and will be referred to the OJA with a recommendation to take further action.

Accommodation Statement

The University of Hawai'i is committed to a barrier-free campus and provides accommodations to ensure students with disabilities equal access to education.

Visit the [KOKUA](#) website. KOKUA can be reached at (808) 956-7511 or (808) 956-7612, email: kokua@hawaii.edu.