

# Syllabus

## Physics 272 - General Physics II [CRN 86028, 91109,91110] Spring 2021

### Instructor Information

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### Course Information

#### Course Format:

This is an online course with structured activities (reading, homework, chapter quiz, etc.) due each week. The three class meetings (via Zoom) are divided into (1) chapter overview, (2) group discussion/problem solving, and (3) individual office hours typically on Fridays (by appointment).

Join Zoom Meeting MWF 8:30 a.m. - 9:20 a.m.  
<https://hawaii.zoom.us/j/XXXXXXXXXX>

Meeting ID: XXXXXXXXXX  
Passcode: XXXXXX

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

Visit Laulima course site frequently for announcements and weekly schedule. Start by going to Laulima course site and click on "Overview" on the left column.

\*\* Reading, homework, quizzes and exams 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).

Course Websites: <https://laulima.hawaii.edu> and [www.pearsonmylabandmastering.com](http://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, 15<sup>th</sup> 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](http://www.pearsonmylabandmastering.com)**
- **Register with our specific course ID XXXXXXXX**
- **Use our course specific access code**

XXXXXXXXXXXXXXXXXXXX

(Please register ASAP, preferably before the first day of class, if possible)

### How to navigate the course:

We will cover Chapter 21 to 33, ~ 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 the main reference source for the subject; contains lots of information (perhaps too much to be completely assimilated in one semester). It contains video demos and video solutions for some practice problems.

**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 also 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. There are two forums: (1) Student Discussions (Physics Questions) and (2) Student Discussions (Non-physics Questions)

**Group Discussion/Problem Solving** - Do HW and Exercises in the Instructor's Notes ahead of time. If you have questions, post them in forum. If you are unable to resolve your questions in forum, post your questions to instructor (link to a Google sheet will be provided within Laulima), so that instructor can incorporate them in group discussions

**Individual Office Hours** –private consultation (by appointment) F 8:30 - 9:20 via Zoom.

**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) Participate in forum discussion to learn from each other. If unable to resolve your questions in forum, post your question to instructor
- (6) Repeat (2) to (5) for the next 2 to 3 sections until the chapter is completed.
- (7) Review and take chapter quiz.

### Expected time commitment:

You are expected to spend ~ 9 - 10 hours/week for this course. Here is an estimate:

Guided self-study (instructor's notes, e-text, optional self-study assignments) ~ 2 to 2.5 hours  
 Homework ~ 1 to 1.5 hours  
 Attending Recitation - 1 hour  
 Attending Class - 2 - 3 hours  
 Review for quiz ~ 1 hour  
 Taking chapter quiz - 1 hour

### Grades

HW (20%), Quizzes (50%), Exams (20%), 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 (~13 assignments, ~8 questions/assignment). No late homework but will drop the lowest score.

Quizzes - 1 per chapter (~13 quizzes, ~8 questions/quiz, concepts and calculations in multiple choice and fill-in formats). **No made-up quiz but will drop the lowest score.**

Exams (20% total) - 1 midterm (10%) and 1 final (10%). No made-up. Midterm and Final Exam are similar to quizzes but are cumulative.

- (8) Forum (5% max. extra credit) - will be given for participations (posting a topic and/or replying a topic) in the **Forum - Student Discussions (Physics Questions)**. The forum is organized by chapters. **To receive maximum extra credit for forum participation, you must author at least 5 questions per chapter on the average (author = post a question or answer a question).**

**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](mailto:kokua@hawaii.edu).