

**Instructor:** Prof. Duncan Farrah  
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**Prerequisites:** PHYS 151 or 170  
MATH 242 or 252A (or MATH 216 with consent)

**Course Websites:** <https://laulima.hawaii.edu> and [www.pearsonmylabandmastering.com](http://www.pearsonmylabandmastering.com)

## Class Structure

This class is online asynchronous. Each week, there will be a structured set of activities that progress through the material:

- Between one and four pre-recorded lectures, delivered via Laulima
- An online quiz of up to about ten questions, delivered via Laulima
- An online homework
- Recitations
- Assigned reading from the textbook and other sources
- Optional reading and video resources

At the start of each week, an announcement will be sent via Laulima describing the activities to be completed that week.

## Course Material

For this course we will be using Pearson's Modified Mastering Physics for University Physics with Modern Physics. The digital access for the course is being delivered through our bookstore's Interactive Digital Access Program (IDAP). The cost of your digital materials will automatically be charged to your student account. You are responsible for paying for charges applied to your student account.

To access your course materials:

1. Go to [www.pearsonmylabandmastering.com](http://www.pearsonmylabandmastering.com)
2. Register with our specific course ID, which is: farrah64986
3. Use our course specific access code, which is: DSCKUP-ACCAD-LADEN-SIXTE-RERUN-TUNES

If you have issues accessing the course materials, visit Pearson's tech support page at <https://support.pearson.com/getsupport/s/>. Either search for an immediate answer or choose "Contact Us" in the top right corner to chat with a tech support team member. If you

decide to opt-out of IDAP and lose access to the required digital course materials, please follow the link you will receive in an email about IDAP from your UH campus bookstore. If you opt-out before the deadline, the IDAP Rental Charge will be refunded to your MyUH account. By opting-out you will lose access to the required course materials.

If you have any questions about IDAP or this charge to your student account, contact the bookstore.

## Office Hours

Office hours are available for this course. Attendance at them is highly encouraged as they afford the opportunity to ask specific questions and receive detailed personal tuition.

Office hours times will be announced shortly, or by appointment. They can be attended virtually, via the Zoom link in the weekly email, or (with appropriate precautions) in-person.

## Homeworks

Problem sets will be assigned weekly (see Course Material). See Laulima and weekly announcements for due dates.

## Recitations

Please check your schedule to verify which section to attend.

The recitations that go along with PHYS272 are based on the problem-solving method, in which students work in small groups to solve a “context-rich” problem. These problems are coordinated with the lecture topics on a weekly basis, but their main emphasis is teaching students to learn and apply an “expert” way of solving a problem. Thus, they really should be called “advanced problem solving” or “applied problem solving” sessions.

In preparation for the recitation problem in a given week, the recitation TAs hand out one or two simple practice problems during the preceding week, which are related to the upcoming recitation problem. The solutions are submitted to the recitation TAs at the start of recitation, and are graded by the TAs on the basis of effort. All of the recitation and practice problems are made available on a Google drive, so it is relatively easy for the recitations to stay coordinated with the lectures.

We are currently working on the best way to handle the group aspect of the recitations to conform to remote participation during the pandemic.

## Online Quizzes

Each week, an online quiz will be assigned via Laulima, based on the material covered that week. The deadline for each weeks quiz will be given in the weekly email.

## Final Exam

There will be an open book final exam assigned via Laulima at the end of the semester. Further details will be announced in November. Makeup exams will not be permitted, unless arranged at least a week in advance due to a scheduled UH-activity, or in cases of documented emergencies.

## Grading

Course grades will be determined based on the following contributions:

- Homework: 20%
- Recitation: 20%
- Quizzes: 20%
- Final Exam: 40%

These contributions may be adjusted as the semester progresses.

## Late Submission

**Any late submission (homeworks or project) will only be allowed without penalty for officially sanctioned university activities or reasons, or serious other circumstances. Otherwise, submission beyond due dates will receive zero credit. If you are in any doubt, talk to Dr. Farrah**

## Online Testbanks

**The use of online testbanks, 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 be referred to the OJA with a recommendation to take further action.**

## Class Policies

Students and faculty each are responsible for maintaining an appropriate learning environment. Students who fail to adhere to such behavioral standards may be subject to discipline. Faculty have the professional responsibility to treat all students with understanding, dignity and respect, to guide classroom discussion and to define a reasonable space within which they and the students' express opinions. Professional courtesy and sensitivity are especially important with respect to individuals and topics dealing with differences of race, culture, religion, politics, sexual orientation, gender, gender identity, and nationality.

For the benefit of your fellow students and your instructor, you are expected to practice common courtesy with regard to all course interactions. For example:

## Special Accommodations

There are two resources available for students who may require special accommodations; the KOKUA Program, and the Counseling and Student Development Center.

**The KOKUA program** (<http://hawaii.edu/kokua/>) is the UH Mānoa office for students with disabilities. They serve undergraduate, graduate and professional students with learning, physical, psychiatric and other documented disabilities. Students with special needs or circumstances who have not already done so should contact the KOKUA program as soon as possible. Students who have accommodations from the KOKUA program should contact Dr. Farrah as soon as possible. In general, if you are a student with special needs or circumstances, if you have emergency medical information to share, or if you need special arrangements in case the building must be evacuated, **please make an appointment to see Dr. Farrah as soon as possible during office hours**. All discussions will be treated with the strictest confidence.

### **The Counseling and Student Development Center**

(<http://www.manoa.hawaii.edu/counseling/>, (808) 956-7927) offers counseling services to students no matter what is troubling them. These services include individual counseling, group counseling, couples therapy, and career counseling. If you are feeling stressed or overwhelmed, or struggling to deal with events in your personal or family life, then the CSDC is here to help. **Feeling stressed and overwhelmed when you first come to university, or even after having been here for a few years, is common, and there are people and resources to help you through.** Steps can also be taken to help minimize the impact of life events on academic performance. Counseling sessions are treated in the strictest confidence. If you wish, you can also discuss anything along these lines with Prof. Farrah, again in strict confidence.

## The UH Student Conduct Code

The purposes of the University of Hawaii are to give thorough instruction, conduct research and disseminate knowledge in and of branches of advanced learning as prescribed by its Board of Regents. The University is committed to ensuring a safe, civil, learning and working environment in which the dignity of every individual is respected. All members of the University community-students, faculty and staff - share responsibility for its growth and continued welfare.

Choosing to join the University community obligates each student to abide by this code of conduct. By enrolling in the University, students accept the responsibility to become fully acquainted with the University's regulations and to comply with the University's authority. The University expects students to maintain standards of personal integrity that are in harmony with the educational goals of the institution; to respect the rights, privileges, and property of others; and to observe national, state, and local laws and University regulations.

The University views the disciplinary process as a learning experience which aims to promote growth and understanding of one's responsibilities and privileges within the University environment. To this end, the disciplinary process attempts to balance an understanding and knowledge of students and their needs with the needs of the academic community. Pursuit of a college education provides an opportunity for exploration of new ideas, experimentation, self-examination, formation of new relationships, and development of ideals and direction. However, the University does not absolve students from accepting responsibility for their behavior in their pursuit of a college education. Rather, it reaffirms the principle of student

freedom that is coupled with an acceptance of responsibility for one's actions and the consequences of such actions.

Violations of the Conduct Code may include:

#### A. CHEATING

Cheating includes the intentional use of unauthorized materials, information, notes, study aids or other devices or materials in any academic exercise, or attempts thereof.

#### B. PLAGIARISM

Plagiarism includes the copying of the language, structure, programming, computer code, ideas, and/or thoughts of another and passing off the same as one's own original work, or attempts thereof.

#### C. FALSIFICATION

Falsification includes the statement of any untruth, either verbally or in writing, with respect to any element of one's academic work, or attempts thereof.

#### D. FABRICATION

Fabrication includes making up data and results, and recording or reporting them, or submitting fabricated documents, or attempts thereof.

#### E. MULTIPLE SUBMISSION

Multiple submission involves the submission for credit—without authorization of the instructor receiving the work—of substantial portions of any work (including oral reports) previously submitted for credit at any academic institution, or attempts thereof.

#### F. COMPLICITY

Complicity includes intentionally helping another to engage in an act of academic misconduct, or attempts thereof.

#### G. VIOLATION OF UNIVERSITY, COLLEGE, DEPARTMENTAL, PROGRAM, COURSE, OR FACULTY RULES

The violation of any University, College, Departmental, Program, Course, or Faculty Rules relating to academic matters that may lead to an unfair academic advantage by the student violating the rule(s).

While everyone understands what the conduct code means on quizzes and exams, there is confusion on what it means for homework. Students are encouraged to work together on homework, but your write-ups and web submissions must be independent. Copying, whether by hand or cut-and-paste on your computer constitutes cheating.

**The use of online testbank answers constitutes cheating.**

The best way to ensure you understand the assigned material is to split off from the group when writing up or submitting your answers. If you copy text or other information from any source for any reason, **you must include a citation to that source**

**When in doubt about plagiarism, paraphrasing, quoting, or collaboration, consult with Duncan Farrah before submitting your work.**

## Discrimination and Harassment

The diversity of students and staff that contribute to this class is a core strength that is critical to its educational mission. Every member of the class is expected to contribute to an inclusive and respectful culture. Dimensions of diversity can include sex, race, age, national origin, ethnicity, gender identity and expression, intellectual and physical ability, sexual orientation, income, faith and non-faith perspectives, socio-economic status, political ideology, education, primary language, family status, military experience, cognitive style, and communication style. The individual intersection of these experiences and characteristics build to form a valuable and positive educational environment.

If there are aspects of the design, instruction, and/or experiences within this course that result in barriers to your inclusion or accurate assessment of achievement, please notify Dr. Farrah as soon as possible.

Any student who believes they have been subject to discrimination or harassment on any of these grounds should contact the relevant university body. A complete listing is available at: <http://manoa.hawaii.edu/dps/support.html>. They may also contact Dr Farrah.

## A Special Note on Title IX

**Title IX of the Education Amendments (1972)** prohibits discrimination on the basis of sex in any educational program or activity that receives federal financial assistance (20 U.S.C. § 1681(a)). Title IX prohibits sexual harassment. This includes sexual assault, sexual violence, relationship (domestic /dating) violence, stalking or other sexual misconduct. Further details can be found at: <https://manoa.hawaii.edu/titleix/>

**The Violence Against Women (VAWA) Reauthorization Act (2013)**, also prohibits sexual assault, domestic violence, dating violence, and stalking. This federal legislation is sometimes referred to as the Campus Sexual Violence Elimination (SaVE) Act.

**Title IX makes it clear that violence and harassment based on sex and gender are Civil Rights offenses subject to the same kinds of accountability and the same kinds of support applied to offenses against other protected categories such as race, national origin, etc. The University of Hawaii is required by Federal Law to handle such assault cases.**

If you or someone you know has been harassed or assaulted, then please contact the UH Title IX coordinator, via: <https://manoa.hawaii.edu/titleix/> You may also contact Dr. Farrah.

Some external resources on Title IX (their inclusion here is not intended as any form of formal endorsement):

<http://knowyourix.org/>

<http://endrapeoncampus.org/>

<http://survjustice.org/>

<http://clerycenter.org/>

<https://www.notalone.gov/>

