

Welcome to Conceptual Physics

Course Name: PHYS-10

Section #: V3585 (053585)

Instructor: Jacob McElderry

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Information from your instructor: Welcome to Conceptual Physics Online. This course has been designed to work entirely asynchronously. Much of the content of this course has been developed in both video and text form so you can choose how you want to access that content. There is an optional textbook assigned to this course for use together with the online material. You might find the textbook helpful as a reference, but it is not required to complete this course.

Course delivery: This course is delivered and taught 100% online; there are no classroom meetings. This course is delivered entirely through Canvas, the learning management software used at College of the Redwoods. Online “Lectures” will be available in Canvas through video and text form. Discussions, repeatable quizzes, and exams will all be done in Canvas.

Course Description: This course is an introduction to the concepts and ideas of physics. The course content will be focused on physics concepts and ideas rather than on computation. Online lectures will come in videos as well as text-based forms. There will be online discussions in Canvas centered on questions related to the online lectures. There will also be questions assigned for you to do on your own from the course text. There will be repeatable online quizzes as well to solidify understanding of the material. Exams will cover material from the chapters read, lectures, discussions, and quizzes.

Student Commitment: Your commitment will require a similar amount of time as you would dedicate to a traditional class. It is important to be aware of due dates for discussion posts each week, participate in discussions every week, and read all class announcements to keep up with the course. Discussions, in particular, will ask you to make a first post before the due date listed in Canvas, so you should read the directions for discussion assignments early rather than relying on deadlines posted in Canvas summaries of assignments. For successful completion of this course you are regularly expected to:

- do conceptual exercises available in the course or from the text
- watch online videos and/or read the text-based version of lectures to prepare for discussions
- participate in online discussions based on concept check questions that come up in online lectures, and
- complete the weekly quizzes before the end of an exam week.

You should be committed to engaging in the learning process from the very beginning and throughout the course with a focus on understanding how concepts and principles can be used to answer questions. Success on course assignments and assessments will be based on sustained effort to engage

with the course material through the learning activities listed above throughout the duration of the course.

Technology Skills: Online courses assume a certain level of proficiency with technology to access the course. You should be able to:

- navigate the course Learning Management System (Canvas)
- receive and respond to Canvas messages and your CR email
- post and reply in online discussion forums
- submit work online using Canvas editing tools and/or by uploading/attaching appropriate files.

It is generally your responsibility to be able to use appropriate technology to access and submit work for this course.

Technology Requirements: Ideally you should have high-speed internet (such as broadband) service as there are videos that play best with higher bandwidth. You should have regular and reliable access to the internet so that you can connect to the course regularly. Anticipate problems with your device(s) and/or internet access by not waiting until the last minute to submit assignments. It is generally your responsibility to meet the class deadlines.

Portable Devices vs. Computers: Although you can use portable devices for some things, it is probably easier to do the majority of your work (especially exams and assignments) from a notebook or desktop computer (Mac or PC). If you do decide to use your portable device for some of your class work, use the free Canvas app (called “Canvas by Instructure”) available in iTunes (for iOS) and the Google Play Store (for Android). It’s better not to connect to Canvas using a web browser on a portable device as your experience with Canvas will likely be better using the app.

Textbook (Optional): Art Hobson Physics, Concepts and Connections 5th edition, ISBN: 978-0-321-66113-5

Course Availability: The course should be published about a week before the term starts. No assignments will be available until the start of the term.

[Login instructions for Canvas:](#)

1. Open your web browser and go to <https://redwoods.instructure.com>
2. Your Username is the same as your **Webadvisor User ID** (e.g., flast123 - first initial + lastname + last 3 digits of your student ID number.) Your initial password is your 8-digit birthdate (mmddyyyy).

Once logged in you should be able to access your courses using the left navigation bar or by selecting from the Dashboard.

Confirm your presence in the online classroom: Post to the “Discussion: Introductions” discussion forum before 11:59 pm on Wednesday of the first week to confirm your presence in the online classroom. Doing so will confirm your enrollment in the course and avoid being dropped as a “no show.”