

CS106E: Course Information

Dr. Patrick Young

Spring 2019

Course Staff & Office Hours

All e-mail addresses listed in this section are @stanford.edu.

Lecturer: Dr. Patrick Young
Gates 194
Office Hours: Check Canvas
e-mail: patrick.young at
Note: please identify yourself as a CS106E student when sending me e-mail.

Please do **not** leave me voice mail—use e-mail instead.

Teaching Assistant:

Ivy Wang, wangivy at

I will be holding office hours in my office (Gates 194) the location of the TA's office hours is yet to be determined. TA Office Hours' time and location will be posted on Canvas. TA Office Hours will begin the second week of classes.

Office hours are subject to change. For the latest information on office hours, please check Canvas.

Grading

Midterm	30%
Final	30%
Assignments	40%

Grades on Canvas

We will be posting your grades on the Canvas website (see below). Please make sure you check your grades as soon as they are posted. Any missing grades or grading errors must be reported within one week of the posting date. All grades will become final, one week after they are posted.

Four-Unit Grading Option

The class can be taken for 3 or 4 units. However, students taking it for four units will have to do additional work, and will use a revised grading scale. This option is discussed in a separate handout.

Exams

As the class will be covering a substantial amount of material, we will be providing you with a list of possible questions prior to each exam. The actual questions on the exam will be pulled from the pool of questions released prior to the exam.

The actual exams will be closed book and closed note. However, we will be providing you with an unlabeled list of HTML, CSS, PHP, and SQL elements, so you won't need to memorize them—you will need to recognize them and know how they work.

The midterm will be Wednesday May 8th, during class time (location to be determined). The final exam will be Friday June 7^h at 9:30am. **Note that CS introductory classes now have a preset final exam slot, which is independent of their class meeting time.**

All students are expected to take the final during that final time slot, please plan your travel schedules accordingly.

Course Assignments

Homework will generally go out on Wednesday and be due the following Wednesday. There will be no assignment given out the first week of classes.

Late Policy

Assignments must be submitted by the start of Wednesday lecture. Assignments turned in late will be penalized 10% for each 24-hour period which has passed since the original due date and time. No assignment may be turned in more than a week after its original due date. In addition in order to give the TAs sufficient grading time, all assignments must be turned in before the final.

I realize that you do have other classes. You have a late allowance of four late days which can be used to excuse late assignments. This allowance may be used for a single assignment or it may be divided for use on multiple assignments. For example, if you turn in one assignment four days late, you've just used up your entire late allowance. However, if instead you turn in the assignment two days late you still have two additional late days which you can use for other assignments.

Please remember that you are working under the Stanford Honor Code. If you are working on a late assignment you must not discuss the assignment with other students and you may not look at any published solutions until after the assignment is turned in.

Working Together

You have the option of working with a partner on each assignment. You may switch partners between assignments, but should only have a single partner for any given assignment. Assignments will be turned in with a coversheet. If you work with a partner, make sure your coversheet includes both your name and your partner's name. Details on the cover sheet will be provided with the first assignment. For most assignments we will grade assignments done by partners the same as those done alone. Assignment handouts will be explicitly marked if work done with a partner will be graded harder than assignments done without a partner.

You should not receive assistance on your assignments from anyone other than your assignment partner (if any) or a member of the CS106E teaching staff. While I certainly expect students to discuss the class amongst themselves, please be very careful about providing assistance with the assignments. See the separate Honor Code handout for a more complete discussion of what constitutes an Honor Code violation in CS106E.

At the University, receiving proper credit for creating academic work is extremely important—it determines, for example, which professors receive tenure vs. which ones lose their jobs. Please be very careful to give proper credit as necessary. For example, if you work on part of an assignment with another CS106E student, you must turn in your work together as partners.

If you are having trouble getting the assignments done, please talk to one of the TAs or to me. Any assistance provided by the class teaching staff is, of course, exempt from any penalties.

HTML Editors

A number of word processors and other editors (e.g., Microsoft Word, Adobe Dreamweaver) can store formatted text as HTML. While you are certainly free to experiment with them, you may *not* use them for any of the Web assignments in this class unless the assignment handout explicitly states otherwise.

The Class Web Site

We will be using Canvas for our class website. You can access Canvas at:

<http://canvas.stanford.edu/>

Piazza

We will be using the Piazza discussion system. Please signup at:

<http://piazza.com/stanford/spring2019/cs106e>

Use of Copyrighted Material

While copying of material is rampant on the Internet, copyright laws still apply and threats of lawsuits are fairly common. I recommend that you use caution in copying or presenting material on the Internet.

I realize that you all have limited access to computerized pictures for use in class assignments. You may copy *graphics* off the Internet for the class assignments, as long as the source of your graphics is explicitly documented when you turn in the assignment. I believe that this use of graphics is covered under the educational fair-use clause of copyright law as long as (1) you document your sources and (2) you use the graphics for class assignments only and do not publish your material on the Internet.

For more information on copyright the Stanford libraries have an excellent copyright law website at <http://fairuse.stanford.edu/>.

Software

Unfortunately different World Wide Web browsers treat both HTML and CSS differently. For this class on web development assignments, please use *Mozilla Firefox*. You may use Mozilla Firefox on either the Macintosh or on Microsoft Windows. The TAs will be grading your web assignments using Mozilla Firefox exclusively, and I will do my best to make sure my examples run on Mozilla browsers. You can get a free copy of Firefox from:

<http://www.mozilla.com/>

Make sure you get the latest copy of Firefox. Older versions may not support some of the webpage elements we will be using.

Incomplete Policy

If you have a serious medical or family emergency and cannot complete the work in this course, you may contact me to request an incomplete. I reserve incompletes only for emergencies, so I do not grant incomplete grades for poor performance on the assignments or exams, nor do I offer incompletes for busy work schedules.

In order to be eligible for an incomplete, you must have completed all of the assignments (with the possible exception of the most-recently-due assignment) and must have shown satisfactory academic progress in the class.

CS106E Class Schedule

This is a tentative schedule, a more detailed description of each lecture topic may be found in a separate handout.

Date	Week	Monday	Wednesday	Friday
4/1	1	Representation of Information	Representation of Images	Representation of Music
4/8	2	Inside the Computer		The Operating System
4/15	3	Networks and the Internet		The Web
4/22	4	Creating Webpages with HTML and CSS		
4/29	5	Databases	Programming Languages	Server-Side Programming
5/6	6	Server-Side Programming (cont)	Midterm Location TBD	Client-Side Programming
5/13	7	Client-Side Programming (cont)	Cloud Computing / The Internet of Things	Software Engineering
5/20	8	Computer Security (Mechanisms)	Computer Security (Attacks)	Computer Security (Defenses)
5/27	9	<i>Memorial Day (no class)</i>	Privacy and Big Data	Artificial Intelligence and Machine Learning
6/3	10	Human-Computer Interaction + Mobile Development	Computer Theory and Algorithmic Complexity	Final (9:30-11:30am) Location TBD

Students with Documented Disabilities

Students who may need an academic accommodation based on the impact of a disability must initiate the request with the Student Disability Resource Center (SDRC) located within the Office of Accessible Education (OAE). SDRC staff will evaluate the request with required documentation, recommend reasonable accommodations, and prepare an Accommodation Letter for faculty dated in the current quarter in which the request is being made. Students should contact the SDRC as soon as possible since timely notice is needed to coordinate accommodations. The OAE is located at 563 Salvatierra Walk (phone: 650-723-1066)

The Stanford Honor Code

The standard of academic conduct for Stanford students is as follows:

- A. The Honor Code is an undertaking of the students, individually and collectively:
 - (1) that they will not give or receive aid in examinations; that they will not give or receive unpermitted aid in class work, in the preparation of reports, or in any other work that is to be used by the instructor as the basis of grading;
 - (2) that they will do their share and take an active part in seeing to it that others as well as themselves uphold the spirit and letter of the Honor Code.
- B. The faculty on its part manifests its confidence in the honor of its students by refraining from proctoring examinations and from taking unusual and unreasonable precautions to prevent the forms of dishonesty mentioned above. The faculty will also avoid, as far as practicable, academic procedures that create temptations to violate Honor Code.
- C. While the faculty alone has the right and obligation to set academic requirements, the students and faculty will work together to establish optimal conditions for honorable academic work.