EECS 16A   Designing Information Devices and Systems I
Fall 2022
Homework 0

This homework is due **Friday, September 2**, 2022 at 23:59.
Self-grades are due **Tuesday, September 6**, 2022 at 23:59 (due to Labor Day).

This homework is simply so you can learn how to submit homework assignments and self-grades and so we can get to know you. Make sure you are comfortable with submitting homework assignments and self-grades. Actual homework assignments will start next week.

Submission Format

Your homework submission should consist of **one** file.
`hw0.pdf`: A single PDF file that contains all of your answers (any handwritten answers should be scanned).
Submit the file to the appropriate assignment on Gradescope.

1. **(OPTIONAL) Study Groups** If you are interested in being matched with a study group for EECS 16A, please fill out this form. Joining a study group is not required, but we encourage you to try it, as it's a great way to meet friends in the class!
   https://forms.gle/7cNXhLnfuRu6mr687

2. **Syllabus**

   Read the course syllabus and answer the following questions.
   The syllabus can be found here: https://eecs16a.org/policies.html.

   (a) What are the dates and times for both midterms, and the final exam?
       Solution:
       Midterm 1 is on Monday, October 10th, 2022, from 7pm-9pm.
       Midterm 2 is on Monday, November 14th, 2022, from 7pm-9pm.
       The final exam is on Wednesday, Dec 16th, 2022, from 8am-11am.

   (b) If you need exam accommodation, whom do you contact and how?
       Solution:
       Head GSI via email at `eecs16a@berkeley.edu`.
       You should contact the head GSI as soon as possible.

   (c) When is homework 1 (not this homework) due? When is homework 1's self-grade due? In general, what day of the week is the homework due and at what time? In general, what day of the week are the self-grades due and at what time?
       Solution:
       Homework 1 is due Friday, September 9 at 23:59 Pacific Time. Self-grades for Homework 1 are due Monday, September 12 at 23:59 Pacific Time.
       All homework assignments are due on Friday at 23:59 Pacific Time, and their respective self-grades are due the following Monday at 23:59 Pacific Time.

(d) When are homework parties? In what room are they normally held? Homework parties are where groups of students can get together to work on the homework together.

Solution:
Homework parties are on Wednesdays 9am - 11am AND Fridays from 2pm to 4pm, and are generally held in Wozniak Lounge (430-438 Soda Hall).

(e) How many homework drops do you get? (Reminder: the homework drop is for extenuating circumstance such as getting sick, family emergencies etc. You should plan on completing and submitting all homework assignments and self-grades.) How do you use this drop?

Solution:
You only get one homework drop.
Please reserve this for emergencies. Your lowest score is automatically dropped.

(f) If you miss a homework, can you resubmit it for partial credit after the solutions are released? When do you have to submit it by?

Solution:
If you miss a homework, you can resubmit it by the self-grade deadline Monday at 23:59 Pacific Time (same time as self-grades) to get partial credit on it; you can get up to 70% of the credit on the HW through resubmissions. You will have to submit resubmission self-grades at the same time as the resubmission.

(g) What is the penalty if you turn in your self-grades up to one week late?

Solution:
You only receive 75% credit on that homework.

(h) What score will you get on a homework if you do not submit your self-grades?

Solution:
You will receive a 0% on that homework.

(i) How many discussions do you need to attend to get full participation credit?

Solution:
You must attend 16 discussions to get full participation credit.

(j) Fill in the blank: You should attend one discussion section on _____ and one discussion section on _____ each week.

Solution:
You should attend one discussion section on Monday and one discussion section on Wednesday each week.

(k) Provide a complete list of everything you must do in order to receive credit for your homework assignments.

Solution:
To receive full credit you must submit a scan of your work, including any necessary printouts and/or screenshots of your Python code (all compiled into a single pdf document) to Gradescope before the Friday submission deadline, and make sure to tag your pages to the appropriate questions. Further, once solutions are released, you must self-grade your homework using the form on the course website, and submit your self-grades to Gradescope by the Monday deadline. If you'd like to resubmit for credit, this must be done by Monday, *along with self-grades for the resubmission*.

(l) Read the following guide:
`https://docs.google.com/document/d/1bTyQE6-MhExK5ZXP9nW4Zyjo1MHSzZNR-MNq7ExztoY/edit?usp=sharing`.
What are the five steps in the submission process for a PDF on Gradescope? Please note that if you do

not select pages for each question/subquestion we cannot grade your homework and we will be forced to give you a 0.

Solution:

    i. Find the appropriate assignment in the Gradescope portal.

    ii. Select "Submit PDF".

    iii. Upload your single PDF, containing both your (scanned) handwritten answers and a "printout" of your iPython code (can be concatenated with `www.pdfmerge.com`).

    iv. Assign questions to pages of your submission. All of your work (including iPython pages) must be assigned to the corresponding subproblem before you click "Submit", or you will not receive credit for that work.

    v. Click "Submit" in the lower right-hand corner. If you have selected pages correctly, you will not have to click through a warning message.

(m) What percentage do you need to get on a homework assignment for you to get full credit for the assignment?

Solution:

80%. (If you get x% of the homework correct, where x < 80, you will get (x/80) * 100 points on that assignment.)

(n) Are you allowed to use your own notes during exams?

Solution:

Yes, all exams are open-note, but **not** open-internet. They are in-person.

(o) Fill in the blank:

If you miss ___ or more labs you will fail the class.

Solution:

If you miss 4 or more labs you will fail the class.

(p) Fill in the blank:

During buffer lab periods, you may get checked off for at most _____ missed lab that occurred during that lab module by attending a buffer section.

Solution:

During buffer lab periods, you may get checked off at most **one** missed lab that occurred during that lab module by attending a buffer section.

(q) As a student in this course, what online forum should you check regularly?

Solution:

Ed.

3. Academic Honesty

For each scenario described below, indicate whether or not it constitutes academic dishonesty according to course policies. Provide a brief justification for your answer.

Course policies on collaboration can be found here: `https://eecs16a.org/policies.html#collaboration`.

(a) John downloaded homework solutions off of the Spring 2021 website before they were taken down. When he gets really stuck and can't figure out the next step of a problem, he checks these solutions for a hint.

Solution:

This is against course policy, as it gives students who got ahold of the solutions an unfair advantage. From the syllabus, "Using previous EECS 16A homework, exam, and lab solutions is strictly prohibited, and will be considered academic dishonesty."

(b) Esmeralda and Joseph are working on the homework together with their study group. When Joseph gets stuck on a problem, he explains his logic to Esmeralda and she asks questions to help him figure out where he went wrong. Once they agree on the approach, they both write up their solutions independently.

Solution:

This type of collaboration is allowed, and encouraged, per course policy: both students learn from the interaction, but nobody is unfairly advantaged.

(c) Lily has all of her homework finished except for one block of iPython code. At 11:55pm on Friday, she can't get rid of a pesky syntax error, so she has her roommate Michelle send her working code. She pastes this code into her iPython notebook and submits it, citing Michelle as a collaborator.

Solution:

This is against course policy, as Michelle shares her exact solution with Lily.

4. Homework resources

If you need help on a homework problem or have a question about the material, what are some of the resources you might be able to use?

(i) Homework party

(ii) TA office hours

(iii) Professor office hours

(iv) Asking a friend taking 16A

(v) Posting on Ed

(vi) Going to discussion

(vii) All of the above

Solution:

vii.