# EECS 16A    Designing Information Devices and Systems I
# Spring 2019                                           Homework 0

**This homework is due January 28, 2019 at 23:59.**
**Self-grades are due January 31, 2018 at 23:59.**

This homework is simply so you can learn how to submit homeworks and self-grades and so we can get to know you. Make sure you are comfortable with submitting homeworks and self-grades. Actual homeworks 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. **Background**

   (a) What is your name?
       **Solution:**
       Chunlei Liu

   (b) Tell us about yourself. Where are you from? What is one of your hobbies? Is there anything else you would like to share?
       **Solution:** I grew up in China and studied Physics at Peking University in Beijing. After that I came to the US and eventually got a PhD in Electrical Engineering at Stanford University "in Palo Alto". A couple of years later I became a Professor at Duke University. I then returned to the Bay Area and joined Cal in 2016. I have an 8-year old, so after teaching 16A I have to pick him up from school.

   (c) What would you like to learn from this course?
       **Solution:** I would like to see how a diverse student body learns in such a large class. I would like to improve and optimize how my lecture is delivered in this environment, so I appreciate feedbacks. I hope to inspire more students to think critically and carry that to solve real problems.

   (d) What would you like to learn from courses in the EECS department before you graduate?
       **Solution:** My graduation probably means "retirement"? There are still a lot to learn and create. I see myself as a "young grasshopper".

   (e) What is a technology that you would like to see invented or a problem that you would like to have solved in the next twenty years?
       **Solution:** The one thing I would love to see is a technology that can allow us to fully visualize the activities inside our brain and understanding the meanings of them.

   (f) Tell us about your academic background. What math and physics courses have you taken?
       **Solution:** In the middle of my PhD studies in Physics, I switched to Electrical Engineering starting fresh from EE101 (i.e. EE16A). So, I probably took many graduate level math and physics along the way. One can always learn more, but we do not always do.

(g) What platform do you use (Mac/Linux/Windows)?

**Solution:** Mac, mostly

2. **Syllabus**

Read the course syllabus and answer the following questions. The syllabus can be found here: `http://inst.eecs.berkeley.edu/~ee16a/sp19/#policies`.

(a) What are the dates and times for both midterms?

**Solution:**

Midterm 1 is on February 25th, 2019, from 8pm-10pm. Midterm 2 is on April 11th, 2019, from 8pm-10pm.

(b) If you need exam accomodation, whom do you contact and how? When do you have to contact this person by?

**Solution:**

Head TA (Rohan or Grace Zhang) via email at `ee16a.staff@gmail.com` or `grace.zhang@berkeley.edu`. You have to contact a head TA within 2 weeks after the start of class.

(c) When are homeworks and self-grades due?

**Solution:**

Homeworks are due Fridays at 23:59. Self-grades are due Tuesday 23:59.

(d) How many homework drops do you get?

**Solution:**

1.

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

**Solution:**

You only receive 50% credit on that homework.

(f) Read the following guide: `www.tinyurl.com/ee16a-gradescope`. What are the 5 steps in the submission process for a PDF on Gradescope? What is the penalty for not selecting pages on your PDF Gradescope submission?

**Solution:**

1. Find the appropriate assignment in the Gradescope portal.

2. Select 'Submit PDF'.

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

4. Assign questions to pages of your submission. Each page must be assigned a question, and each question must be assigned a page (except optional or practice questions) before you click "Submit". You must select pages, or you will receive a 0 on the associated homework questions. You may select and reselect pages multiple times after your PDF has been submitted, and Gradescope will not count your submission as late.

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

(g) Let us say you only were able to get half-way through a homework problem during the first submission. When self-grading you recieve 5/10 on a problem, but you realize how to complete your solution and decide to resubmit. After resubmission what is your new score?

**Solution:**

8/10

(h) How many unexcused labs are you allowed to miss?

**Solution:**

You can have up to 3 unexcused lab absences without failing ( you will fail the course with 4 or more unexcused lab absences).

## 3. Fun Fact

(a) What is Professor Chunlei Liu's favorite color?

**Solution:** Blue

## 4. Homework resources

(a) 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 Piazza

 (vi) Going to discussion

(vii) All of the above

**Solution:**

vii.