CS294 Computational Color - Fall 2020

Instructor: Ren Ng, EECS
Affiliated Faculty: Austin Roorda & Will Tuten, Vision Science
CS294-164 - Fall 2020
Class: Tuesdays 1-4pm online and synchronous. [Class zoom link]
Office Hours: Thursdays 1-2pm online [Office hours zoom link]

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Announcements (updated 8/31/2020):

- The first class is Tuesday 9/1/2020 1-4pm. Zoom link is above.
- I'm excited about the quality of guest lecturers joining us from worldwide this semester -- an upside of the pandemic. Check the schedule link above for guest lecturers.
- If you are interested to enroll in this class, please fill out this application form and attend the first class. Interest from EECS graduate students, Vision Science graduate students, other graduate students, as well as undergrads -- all are welcome.
- Communication will be via Piazza. Please sign up, and see more announcements there: http://piazza.com/berkeley/fall2020/cs294164
- Class will mostly be in zoom, but we will try out a new virtual workspace tool in our first class. Here is a simple test page so you can make sure that your laptop will be able to connect before class: https://ohyay.co/s/test. You will need to sign in with your email address, and recommendation is to use a relatively modern laptop/desktop running Chrome, if possible.
- This is a shortcut for this class webpage: https://tinyurl.com/cs294-164-fa20

Course Description:

- The course will be similar to 2019's offering with improvements. 2019 class materials: http://tinyurl.com/cs294-164

Communication:

- Piazza: http://piazza.com/berkeley/fall2020/cs294164. Please sign up!

Course Meetings:

- Tuesdays, 1-4pm, with mid-way break.

    - This course is online, synchronous, and as a discussion-based course, attendance is essential.
    - See top of this page for zoom link.
    - First half is student-led discussion of the readings
    - Second half is lecture.
    - Course Schedule
- Instructor office hours are Thursdays 1-2pm.
    - See top of this page for zoom link

Grading Policy:

- 25% lead discussion
- 25% weekly reading responses, attendance + class participation
- 50% project.

Expected Course Workload Breakdown

- 4 units = 12 hours per week x 14 weeks
    - 3 hours lecture x 13 weeks
    - 3-6 hours reading x 13 weeks
    - Prepare + lead discussion = 6-9 hours x 1 week
    - Project: 6-9 hours x 12 weeks

Student Deliverables:

- Weekly Responses to Assigned Reading
    - Submit your weekly reading responses by Tuesday 8:59am **before** each class:
    - Examples of good reading responses, though a bit long (from Kyros Kutulakos' class at U. Toronto): example 1, example 2.
- Attendance and Participation
    - This is a discussion-based research seminar. The goal is for a diverse group of students from EECS and Vision Science, and to work to bridge the knowledge and perspectives of the two populations.
- Present Reading and Lead Class Discussion (once per semester, probably in pairs)
    - Prepare a short presentation (10-15 min max) on the assigned reading, distilling the main ideas.
    - Facilitate a group discussion (20 min) about the paper and related ideas.

Projects (draft -- subject to change)

- Semester-long group projects. Projects page.
- See the Course Schedule for timeline of proposal, milestones and final deliverables.
- Final deliverables include a class presentation, 2 minute video, and write-up in journal paper format.