ECS293A, Research in Computer Sciences
Fall 2013

Lecture: M 1:10pm–2:00pm in 148 Physics/Geology

Instructor: Prof. Patrice Koehl

Office Hours: Wednesday 11:00 a.m.-12 p.m. or by appointment
3106 EUII (Kemper Hall)

Homepage: http://www.cs.ucdavis.edu/~koehl/Teaching/ECS293A/index.html

Midterm Date: None!
Final Date and Time: None!

Announcements: Please check the web page periodically for announcements.

Overview:
Study of important research topics in computer science; Ph.D. level research methodologies (experimental, applied and theoretical); presenting research results for the computer science community. Study skills necessary to successfully find and solve significant research problems.

Course Goals
Some goals we hope you achieve:
1. Understand what makes a good research topic
2. Know how to do research
3. Know how to read, write, analyze, and review a research paper
4. Know how to give a good presentation
5. Know how to write a research proposal or application for a fellowship
6. Understand how to be a good teaching assistant
7. Understand the ethics of graduate study and research

Grading: S/U

Class Participation	20%
Homework	80%

Academic Conduct

The UC Davis Code of Academic Conduct, available at http://sja.ucdavis.edu/cac.html, applies to this class. It basically boils down to two principles:
- Be polite.
- Do not cheat

Acknowledgement:

The lecture materials are partially derived from the related courses of Matt Bishop, Matt Farrens, Phil Rogaway

Tentative Syllabus

These topics are tentative and I may decide to change them at any moments. If I do not discuss something you are interested in, ask about it!

Lecture	Date	Topic
1	September 30	To be a graduate student (PhD and M.S.)
2	October 7	Research areas; finding a research advisor
3	October 14	Ethics (I)
4	October 21	Ethics (II)
5	October 28	Using the library for research
6	November 4	Reading- Reviewing
7	November 11	Writing Research Papers
8	November 18	Giving presentations
9	November 25	Writing Grants/ Fellowship applications
10	December 2	Teaching