General Information

Instructor

Matt Bishop   *Email*: mabishop@ucdavis.edu
Office: 2209 Watershed Sciences   *Phone*: (530) 752-8060
Office Hours: MW 9:00–9:50am; F 3:10–4:00pm; or by appointment; or by chance

Lectures and Discussion Section

Lecture: MWF 1:10pm–2:00pm in 1020 Wickson
Group Meeting: 10:00am–12:00pm in 2203 Watershed Sciences; as announced

Course Outline

The goal of this class is to introduce students to real-world research problems. This class will be done in collaboration with external organizations such as government agencies, commercial firms, and (possibly) organizations within UC Davis. Those organizations will propose research problems that the organization wishes to pursue. Each problem has a "sponsor", or someone in the organization who will mentor the students working on the project. Students see the proposals, form teams, and apply to the sponsor to do the projects. The sponsor then evaluates the teams and picks one to work with. The sponsor and students scope the work to something suitable for the length of time of the class, and then the students conduct the research. We expect the students to meet weekly with the sponsor to discuss progress and ensure the research is on the right track

This class is intended for graduate students who want to carry our research in computer security. Our focus is on research that will be useful to the sponsors and organizations. It is a 2-quarter class (Winter and Spring 2015 Quarters). Please plan for both quarters if at all possible.

Course Goals

- Learn about research in computer security;
- Study a real-world problem under a mentor whose organization has proposed the problem;
- Learn to work as a member of a reserch team;
- Learn how to shape a research project to have goals achievable in a limited time; and
- Be exposed to people and organizations doing cutting-edge work in computer security.

Text

There is no textbook for this class.

Class Web Site

To access the class web site, go to SmartSite (http://smartsite.ucdavis.edu) and log in using your campus login and password. Then go to ECS 289M in your schedule. I will post Announcements, assignments, handouts, and grades there, and you *must* submit assignments there. The alternate web site, http://nob.cs.ucdavis.edu/classes/ecs289m-2015-01, has all the handouts, assignments, and announcements.

You will also receive an account on the Purdue University Research Repository (PURR) at http://purr.purdue.edu. This site contains information and samples from the other universities involved in this course.

Grading

See the handout **Detailed Course Description**.

Academic Integrity

The UC Davis Code of Academic Conduct, available at http://sja.ucdavis.edu/cac.html, applies to this class.