IOLab Fall 2012: Syllabus

Meeting Time
MW 12:30-2PM, 210 South Hall

Instructors
Andrew Chao (andrew.c.chao@ischool.berkeley.edu)
Gilbert Hernandez (gahernandez@ischool.berkeley.edu)

Office Hours
Andrew: Tuesday 1-2PM, 107 South Hall
Gilbert: Wednesday 2-3PM, South Hall Atrium or Co-Lab
or by appointment

Grade Breakdown
Participation (15%)
Homework (20%)
4 Projects (15/15/15/20%)
*Homework assignments are still to be determined.

Grading Policy
Homework assignments are meant to reinforce topics we cover in class. They are generally individual assignments; while we do encourage that you engage in discussion with the instructors and your classmates, each student must submit individual, original work and cite sources when appropriate. Homework will be graded on a check/check plus/check minus rubric.

Projects will integrate with topics and concepts from INFO 202. Project teams should be groups of 3 and groups of 2 are preferred over 4 if necessary. We will have a much more detailed grading rubric for projects.

For a better understanding of academic integrity, please read the following documents:

Campus Definition of Academic Integrity
http://campuslife.berkeley.edu/conduct/integrity

Campus Code of Conduct
http://students.berkeley.edu/uga/conduct.pdf

Schedule
L1. 8/27
Introductions, Syllabus, HTML, DOM, CSS
HW0 Assigned - Mini-Assignment: Setup & Your First IOLab Website
L2. 8/29
Javascript and jQuery
HW0 Due
HW1 Assigned - Simple Website (Personal Profile)

9/3 - Holiday

L3. 9/5 lab
jQuery and Git
HW1 Due
HW2 Assigned - Git
Reading: Memex

L4. 9/10
Project 1 - More Javascript, Delicious Memex (go through working demo)

L5. 9/12 lab
More Git

L6. 9/17
Web Standards + HTML5

L7. 9/19 lab
HTML5 Demos

L8. 9/24
Project 1 Due, Demos
HW 2 Due
Project 2 Assigned

L9. 9/26 lab
Software Engineering: Code style, comments, documentation

L10. 10/1
Working with APIs (callbacks, JSON-P, etc.)

L11. 10/3 lab
OAuth2 Lab - Get everyone to connect to facebook

L12. 10/8
Mobile
L13. 10/10 lab
Responsive Web / Adaptive Design

L14. 10/15
Data Visualization

L15. 10/17 lab
Data Visualization Lab

L16. 10/22
Project 2 Due, Demos
Project 3 Assigned

L17. 10/24 lab
Fusion Tables (Data Viz)

L18. 10/29
Outsourcing Tools - Mechanical Turk, etc.

L19. 10/31 lab
Test Driven Development (TDD) / Unit Testing

L20. 11/5
Object Oriented Javascript

L21. 11/7 lab
Python Scripting Lab

11/12 - Holiday

L22. 11/14
Project 3 Due, Demos
Final Project Assigned

L23. 11/19
Node. JS

L24. 11/21
Final Project Ideas/Brainstorming

Thanksgiving

L25. 11/26
Course Review/Wrap Up
Final Project Checkpoint

L26. 11/28
Misc Topics / Project Hacking

Dec 3 & 5 - RR Week

12/10 - Final Project Due - Tentative
12/12 - Final Project Presentations (?)