

# **IOLab Fall 2012: Syllabus**

## **Meeting Time**

MW 12:30-2PM, 210 South Hall

## **Instructors**

Andrew Chao ([andrew.c.chao@ischool.berkeley.edu](mailto:andrew.c.chao@ischool.berkeley.edu))

Gilbert Hernandez ([gahernandez@ischool.berkeley.edu](mailto: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 (?)**