

# Advanced Web Topics II

MMC 6278 (4 credit hours) | Summer 2014

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## Course Objectives

This course will bring you up-to-speed on the web design and development techniques and tools in use professionally today, including: responsive design and development, progressive enhancement, and jQuery and jQuery plugins. Upon successful completion of the course, you will be able to:

- Design and build a responsive, mobile-first web site
- Write code that is semantic and efficient
- Incorporate JavaScript and jQuery into your site
- Create responsive design deliverables
- Present responsive design concepts to clients/supervisors

## Course Schedule

This class will meet via Adobe Connect on Wednesday and Thursday evenings from 7:00 p.m. to 9:00 p.m. EST. Virtual office hours are available by appointment. Please e-mail the instructor at least 48 hours ahead of time to schedule a meeting.

### Office Hours

From time to time, I will also open the classroom for walk-in help and advising. Attendance at these meetings is completely optional. These meetings will be announced in class and by email as they come up.

## Course Communications

Email is my preferred method of communication. If you use Sakai to contact me, please check the box on the Compose page to send a copy to my email.

## Textbooks

- [\*Don't Make Me Think, Revisited\*](#), by Steve Krug (3<sup>rd</sup> edition)

Other readings will come from blogs and sites like CSS Tricks, A List Apart, Six Revisions, and Smashing Magazine.

## Technical Requirements

- Text editor of your choice. I like Notepad++ (Windows) or Sublime Text 2 or 3 (Mac). Dreamweaver may be used, but, unless otherwise specified, you are expected to hand code your work according to the standards and requirements of this course.
- Web browsers: Google Chrome + any other browser of your choice. Chrome is required.
- Web hosting: You will be required to submit “live” work, sites and projects that are hosted through a web hosting service. If you no longer have web hosting, please e-mail me before the conclusion of the first week of class.
- Graphics Programs: I highly recommend having access to Adobe Photoshop and Illustrator.

## Grading

Letter grades are calculated as follows:

A (4.0) = 93-100	B- (3.0) = 80-82	D+ (1.0) = 67-69
A- (3.67) = 90-92	C+ (2.33) = 77-79	D (1.0) = 63-66
B+ (3.33) = 87-89	C (2.0) = 73-76	D- (.67) = 60-63
B (3.0) = 83-86	C- (1.67) = 70-72	E (0.0) = 0-59

Your grade will be made up of the following elements:

Participation/Attendance	5%
Homework	30%
Quizzes	10%
Project 1	15%
Project 2	15%
Final Project	25%

Information on UF's grade and grading policies is available at <https://catalog.ufl.edu/ugrad/current/regulations/info/grades.aspx>

## Assignments

See Appendix A for details on my expectations for the format, quality, and execution of your assignments.

### **Participation/Attendance**

Your participation/attendance grade will take into account your presence in class, your participation in class discussions and exercises, and your activity in the discussion board conversations. Excessive unexcused absences or tardiness for class meetings will negatively impact this portion of your grade.

### **Homework**

You will be expected to complete several homework assignments. Your homework might be an exercise in the form of debugging, building a web page, or refactoring code, or it may be a written response to the readings.

### **Quizzes**

Throughout the semester, you'll take quizzes that cover coding syntax, assigned readings, and your ability to reference documentation.

### **Project 1**

For your first project, you'll build a semantically meaningful, fully responsive single-page web site.

### **Project 2**

The second project will require you to add interactive elements to a site using JavaScript and jQuery.

### **Final Project**

For your final, you will design and develop a site that (1) is responsive and (2) makes use of JavaScript and jQuery. This will involve presenting design deliverables midway through the term, and then building the site, which you will present at the end of the semester. You will have an opportunity to choose a fictional company to design for at the start of the term.

# Course Schedule

Week 1-2: Introduction and Code Review

- Due Saturday, May 17: Final Project, Part 1

Week 3-7: Responsive Design and Development

- Due Wednesday, June 11: Final Project, Part 2, Presentations
- Due Saturday, June 14: Final Project, Part 2
- Due Saturday, June 28: Project 1

Week 8-11: JavaScript and jQuery

- Due Saturday, August 2: Project 2

Week 12-13: Grab Bag and Final Presentations

- Due Saturday, August 9: Final Project, Part 3

# Course Policies

## Original Work

Any and all work you submit in the course of this class is expected to be your original work. The designs must be your own ideas, and the code must be your own hand-written code, **unless** (A) I have explicitly provided code for the given assignment or (B) I have specifically stated otherwise. This stipulation extends but is not at all limited to the use of grid systems, templates, and boilerplate products. If you have questions about this policy, ask for clarification.

## Attendance and Participation

You are expected to attend all live class meetings and participate. If you are not able to attend live class meetings and will be watching the recordings, you will need to contact me within the first week of class explaining why you will take class in this manner. Arrangements will be made on an individual basis.

You will be required to watch the class recording and email me a written response to the recording detailing the class topics. Responses need to be submitted via email no more than a week after the missed date. The response should include at least four comments or questions in response to the material in the recording.

I expect you to actively participate in each class. When we are doing coding exercises, I expect you to follow along with the lessons, not just watch me do the code. During lectures, I might call on you to answer questions with your microphone. Be ready to discuss things as a group.

Class presentations will be held for each phase of the semester-long final project. I expect you to give your classmates constructive critiques.

### **Late Work**

All work is due on or before the due date. Extensions for deadlines will only be given on a case-by-case basis. Minor inconveniences, such as family vacation or minor illness, are not valid reasons for extensions.

Unless otherwise excused, work submitted within 24 hours after the due date will automatically be deducted by 30% of the maximum points allowed. No work will be accepted for a grade past 24 hours.

A problem uploading to Sakai is not an excuse. If you are having technical difficulties with Sakai, there are different means to submit work that all involve some sort of time stamping. Emailed links to Dropbox files, or zip files sent directly to my personal email address will also be considered alternatives.

### **University Policy On Accommodating Students With Disabilities:**

Students with disabilities requesting accommodations should first register with the Disability Resource Center (352-392-8565, [www.dso.ufl.edu/drc/](http://www.dso.ufl.edu/drc/)) by providing appropriate documentation. Once registered, students will receive an accommodation letter which must be presented to the instructor when requesting accommodation. Students with disabilities should follow this procedure as early as possible in the semester.

### **University Policy On Academic Misconduct:**

UF students are bound by The Honor Pledge, which states, "We, the members of the University of Florida community, pledge to hold ourselves and our peers to the highest standards of honor and integrity by abiding by the Honor Code. On all work submitted for credit by students at the University of Florida, the following pledge is either required or implied: "On my honor, I have neither given nor received unauthorized aid in doing this assignment."

The Honor Code (<http://www.dso.ufl.edu/sccr/process/student-conduct-honor-code/>) specifies a number of behaviors that are in violation of this code and the possible sanctions. Furthermore, you are obligated to report any condition that facilitates academic misconduct to appropriate personnel. If you have any questions or concerns, please consult with the instructor for this class.

## **Netiquette: Communication Courtesy:**

All members of the class are expected to follow rules of common courtesy in all email messages, threaded discussions and chats. [Describe what is expected and what will occur as a result of improper behavior]

<http://teach.ufl.edu/docs/NetiquetteGuideforOnlineCourses.pdf>

## **Additional Resources**

For issues with technical difficulties for E-learning in Sakai, please contact the UF Help Desk at:

Learning-support@ufl.edu  
(352) 392-HELP - select option 2  
<https://lss.at.ufl.edu/help.shtml>

\*\* Any requests for make-ups due to technical issues MUST be accompanied by the ticket number received from LSS when the problem was reported to them. The ticket number will document the time and date of the problem. You MUST e-mail your instructor within 24 hours of the technical difficulty if you wish to request a make-up.

Other resources are available at <http://www.distance.ufl.edu/getting-help> for:

Counseling and Wellness resources  
Disability resources  
Resources for handling student concerns and complaints  
Library Help Desk support

## **Course Evaluation**

Students are expected to provide feedback on the quality of instruction in this course by completing online evaluations at <https://evaluations.ufl.edu>. Evaluations are typically open during the last two or three weeks of the semester, but students will be given specific times when they are open. Summary results of these assessments are available to students at <https://evaluations.ufl.edu/results/>.

Should you have any complaints with your experience in this course, please visit <http://www.distance.ufl.edu/student-complaints> to submit a complaint.

## Disclaimer

This syllabus represents my current plans and objectives. As we go through the semester, those plans may need to change to enhance the class learning opportunity. Such changes, communicated clearly, are not unusual and should be expected.

## Appendix A

All code must:

- Validate without errors according to the W3 validator (<http://validator.w3.org/>).
- Rely exclusively on external CSS (no internal CSS, no inline CSS).
- Link CSS in the HTML <head> in the following order:
  - normalize/reset CSS first
  - plugin stylesheets next
  - then one main/custom stylesheet
- Link JS at the bottom of the page, after all body content and just before the closing </body> tag, in the following order:
  - jQuery links
  - plugin files
  - then the main/custom JS file
- Follow a clear style guide with consistent tabs, bracket placement, etc.
  - Indent child elements.
  - Use lower case markup.
- Use efficient code. Remember: Don't Repeat Yourself. Points will be deducted for repetitive code, unnecessary elements, code that isn't in use, etc.
- Utilize HTML tags meaningfully and accurately, i.e. <article> only for content blocks that can stand alone, <nav> for any blocks of navigational links, <header> on any and all page titles and subtitles, etc.
  - Do not use HTML for solely presentational purposes. Do not use <em> or <h3>, for example, to style content. These tags have their own specific meanings and should be used only when appropriate.

Each HTML file must include the following elements:

```
<!DOCTYPE html>
<html lang="en-US">
  <head>
    <meta charset="UTF-8">
    <title>Title</title>
  </head>
  <body>
  </body>
</html>
```

When the assignment calls for you to submit a web site (either single-page or multi-page), you must submit the assignment in a compressed file (such as a .zip, .rar or .7z). The files contained in the folder should follow this format:

- One main HTML file called `index.html`
- A folder called `css`, which should contain any and all stylesheets.
- A folder called `js`, which should contain any and all scripts.
- A folder called `img`, which should contain any and all images.
- One .txt file called `readme.txt`, which should include:
  - The URL at which the live assignment is posted
  - A list of links to all the articles/pages/references you used to help you build your site

I will provide an example .zip file in our first class meeting.