

CIS 275: Web Design and Development

Course Description

This semester we will closely consider the web, think about its impact upon culture, and develop technical skills for generating effective web content. This course focuses primarily upon the development of coding skills for generating web content, as well as an aptitude for creating effective designs and interfaces.

Students in this course will need to devote significant time to working both in the lab and online during the term.

In addition, this course is designed to help students develop the ability to produce an informed critique of Internet resources, as well as a capacity for evaluation and assessment of web materials.

Student Outcomes

As a student in this course, you'll be exposed to numerous web designs, and you will learn to evaluate and discuss the primary design elements of the Web through both conversation and writing. In addition, you'll learn how to efficiently program relatively advanced web designs. Finally, you'll also gain the opportunity to think critically about the web and its influence on our culture, and represent that thought through your own development projects and writing.

Reference Materials

The following texts are very useful for this course. So buy them. Numerous Internet resources will also be provided as additional readings throughout the term (links will be provided via email as we near the relevant time for that material) .

Duckett, J. (2011). *HTML and CSS: Design and Build Websites*. ISBN-13: 978-1118008188.
Required, \$17

Krug, S. (2014). *Don't Make Me Think: A common Sense Approach to Web Usability (3rd)*. ISBN-13: 978-0321965516. **Required, \$26.** (Kindle \$21)

Grading and Assignments

Student assessment for this course will take the form of evaluation through exams, electronic materials, writing assignments, peer assessment, class participation and attendance. Specifically, your grade will be determined as follows:

Coding Exams (2)	30%
Mastery Exam	30%
Personal Web Site	30%
Participation	10%

In addition, I will provide you with exercises that you should complete on your own. It should be clear to you upon completing these assignments whether you know what you are doing or not. If you do not, that should indicate the need for asking questions in class or visiting during my office hours.

Please note that all materials for this course must be submitted in electronic format.

Schedule

This course meets each M/W/F in room 215 of the Technology Center. Please note that readings and exercises should be completed *before class* on the day they are listed, unless noted.

February 3	Introductions
February 5	Lecture: History of the Web
February 8	Lecture: History of HTML & HTML Structure – Read Duckett, Intro & Ch. 1
February 10	Lecture: Document Structure & Tags – Read Duckett, Chpts 2-3
February 12	Lab: Working with Text Editors – Read Duckett, Chpts 4-5
February 15	Lecture/Lab: Additional Markup (DIVs and METAs) – <i>Complete Exercise 1</i>
February 17	Lab: Working with Files, Anchors and Images
February 19	Lecture/Lab: Tables & Troubleshooting – Read Duckett, Ch 6
February 22	Lecture/Lab: HTML5 Structural Tags – <i>Complete Exercise 2</i>
February 24	Lecture/Lab: HTML5 Forms – Read Duckett, Ch 7
February 26	HTML Exam
February 29	Lecture: Design Basics – <i>Complete Exercise 3</i>
March 2	Lecture: CSS Introduction – Read Duckett, Chpts 10 - 12
March 4	Lab: CSS Practicum – Read Duckett, Chpts 13 - 15
March 7	Lab: Styling HTML Content – <i>Complete Exercise 4</i>
March 9	Review Session: CSS
March 11	CSS Exam
March 14	Lecture: Fixed and Fluid CSS Layouts
March 16	Lab: CSS Layout – <i>Complete Exercise 5</i>
March 18	NO CLASS
March 21-25	SPRING BREAK
March 28	Lecture: HTML5 Layout and Development – Read Duckett, Ch 17
March 30	Lab: Layout with HTML & CSS

April 1	Mastery Exam
April 4	Lecture: The Web Development Process
April 6	Lecture: Web Page Design Basics
April 8	Lecture: Page Design Issues – Read Web Style Guide Chpt. 1-5 (online)
April 11	Lecture: Site Design Issues – Read Krug Chpt. 1-7
April 13	Lab: Personal Sites
April 15	Discussion: Redesign Comps
April 18	Discussion: Redesign Comps
April 20	Lecture: Responsive Web Design
April 22	Lab: Responsive Layouts – <i>Complete Exercise 6</i>
April 25	Lecture/Lab: More on RWD
April 27	Lab: Super-basic Javascript Intro
April 29	Lab: Personal Project
May 2	Testing and Usability – Read Krug, Chpts 9 & 10
May 4	Lab: Usability Tests
May 6	Lecture: Bringing it all Together – Read Krug Chpts 11 & 12
May 9	Conclusions – Personal Web Site Due

Final Notes

Final grades will be negatively impacted by more than three absences. You will lose one point from your *final* grade for the course for each absence in excess of three. There are no “excused” absences. There are only these three.

Any late work will be docked one full letter grade (i.e. 10 points) each day. There are no exceptions to this rule. You must turn in each assignment to receive a final grade for this class.

I won’t bother to give you information unless you actually need to know it. In return, I ask that you actually read it, and make your best effort to understand and remember the details.

Texting in class is rude and disrespectful to both your peers and the instructor. This includes reading texts as well as sending them. I’m probably not going to call you out on it – this isn’t high school – I’m just going to deduct 5% from your participation grade. Each time.

Please note that you may not record or capture any classroom interactions through any means unless you seek permission of the instructor in advance.

Taking responsibility and ownership for your data will make your experiences in computing much less taxing! I am not the repository of your work. I will promptly dispose of all data after the grading of the assignment is complete. So, make sure you make copies for yourself, as I will not be able to provide them later in the term, or later in your academic career.

Finally, please note that this document represents the minimum that you need to know about the course. For additional details and information, you should consult the online course information at <http://courses.samfee.net/>.