

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. 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 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 Revisited: A Common Sense Approach to Web Usability (3rd)*. ISBN-13: 978-0321965516. **Required, \$33.** (Kindle \$19)

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, meeting with our PAL tutors, or attending office hours.

A note on Participation: this component of grading can feel subjective and confusing. Simply put - Participation reflects your engagement with the content during class, preparation before class, completion of homework assignments, and availability/contributions to your peers outside of class. Do not assume 100% Participation. Assume 75% and work to get your grade to the level you desire.

CIS PAL Tutors

Be aware that there are student tutors available in the lounge area on the second floor of the Tech Center to help you with CIS course work. Your peers are available Sunday through Thursday from 7-10 PM. And while the PAL tutors do much of their work from the CIS Lounge, they also work with students in the labs; so if the tutor appears not to be there, check the labs as well or simply be patient - they will return.

CIS tutors are instructed not to provide specific answers to students but to help guide your inquiry when you get stuck. Please remember that the goal is for **you** to learn, not to have someone give you a quick answer. If you find this frustrating, please be aware that this is the nature of knowledge construction in computing. You need to figure things out on your own. Don't blame the tutors.

The tutors will however give you quick answers for technical issues such as using Google Drive if for some reason you cannot figure that out on your own. For everyone's sake however - please look it up online first and then go to them if you are truly stuck.

Schedule

This course meets at the dates and times as listed in JaySource. There is a small lab available 24/7 via card swipe in room 216 of the Tech Center. Test your card by the end of the first week of class to make sure it working. Please note that readings should be completed before class on the day they are listed.

January 24	Introductions
January 26	NO CLASS
January 29	Lecture: History of the Web
January 31	Lecture: Document Structure & Tags – Duckett, Chpts 1-3
February 2	NO CLASS
February 5	Lecture/Lab: Additional Markup – Duckett, Chpts 4-5 – <i>Complete Exercise 1</i>
February 7	Lab: Markup Assistance
February 9	Lab: Working with Associated Content and Troubleshooting – Duckett, Ch 6
February 12	Lecture/Lab: HTML5 Structural Tags – <i>Complete Exercise 2</i>
February 14	Review: HTML Essentials
February 16	NO CLASS
February 19	HTML Exam
February 21	NO CLASS - DEMOCRACY DAY
February 23	Lecture: Design Basics – <i>Complete Exercise 3</i>
February 26	NO CLASS
February 28	Lecture: CSS Introduction – Duckett, Chpts 10 - 12
March 1	Lab: CSS Practicum – Duckett, Chpts 13 - 15
March 4	Discussion: CSS Q&A
March 6	Lab: Styling HTML Content – <i>Complete Exercise 4</i>
March 8	Lab: CSS Review
March 11	CSS Exam
March 13	Lecture/Lab: CSS Layouts
March 15	Lecture/Lab: CSS Layouts
March 18-22	SPRING BREAK
March 25	Lab: CSS Layout – <i>Complete Exercise 5</i>
March 27	Lecture: HTML5 Layout and Development – Duckett, Ch 17
March 29	Lab: Layout with HTML & CSS
April 1	Mastery Exam
April 3	Lab: Layout Review
April 5	NO CLASS
April 8	Lecture: Web Development Planning & Process
April 10	Discussion: Redesign Comps
April 12	Lecture: Responsive Web Design
April 15	Lab: Responsive Layouts – <i>Complete Exercise 6</i>
April 17	Lecture/Lab: More on RWD
April 19	NO CLASS
April 22	Testing and Usability – Krug, Chpts 9 & 10
April 24	Lab: Personal Sites
April 26	NO CLASS
April 29	Lab: Personal Sites
May 1	Lecture: Bringing it all Together – Krug Chpts 11 & 12
May 3	Lab: Personal Sites
May 6	Personal 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. At the same time - don't come to class if you are truly sick. Talk to one of your peers in class and get the information you need to keep up with class.

Any late project work will be docked one full letter grade (i.e. 10 points) each day. 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.

Using your phone in class during lecture or discussion is rude and disrespectful to both your peers and the instructor. Inappropriate use of your phone will lead to a deduction from your participation grade.

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! Make sure you have backup copies of all your work on a flash drive or a cloud storage service. I am not the repository of your work. Therefore, 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 regarding the course. For additional details and information, you should consult the online course information at <https://courses.samfee.net/>.