CS-125 Web Site Development Spring 2016

(3 Semester Hours)

Section 1: 5:00 – 8:00 Monday, Halsey 101 Teaching Lab

Section 2: 5:00 – 8:00 Tuesday, Halsey 101 Teaching Lab

Instructor: Kathy Lynch
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Office hours: 4:30 -5:00 Mon. / Tuesday or by appointment
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Text: "Web Development & Design Foundations with HTML5", Terry Felke - Morris: 7th edition

Topics: Web History, Dreamweaver CC, HTML5, CSS, WordPress, Working with Mobile Development, Quality Web Layout, Form Design, E-Commerce and promoting your site, Photoshop skills, FTP, Responsive Design, Web Applications, Working with JavaScript and JQuery, Database Interfaces

Grading: Two Exams 50%, Web Site 25%, and Assignments 25%

Course Description: This is an introductory course in website design. You will need to know basic computer skills, but are not required to have any previous programming experience. We will be learning the basics of popular web development software packages that will be beneficial in creating quality websites. You will be creating a complete website both desktop and mobile. You will be given web space on the university server to use in this class. The goal is that you will continue to update and modify your website as you Remain a student at UWO. This website cannot be used for commercial purposes.

Current Catalog Description

An introduction to the tools for developing World Wide Web pages. Topics covered include: Internet history, overview of file transfer, remote login, electronic mail, introduction to Hyper Text Markup Language (HTML), incorporating graphics, clip art and other multimedia materials, techniques and

principles of effective presentation and uploading files to a server. This course does not apply toward the Computer Science major or minor. Not open to students who have completed Computer Science 271

Learning Objectives and Outcomes:
Learning outcomes are statements of what the student will be able to do following successful completion of the course. The learning outcomes for Website Design are listed as follows:

1. Understand the advantages of good website design and be able to implement these principles on the websites they create.
2. Learn how to write and interpret HTML5 code.
3. Effectively use search engines to research new trends in website design
4. The students will study the differences between browsers and how they play a major role in how their website is displayed.
5. The student will learn the standard website design guidelines and be able to critique online sites and well as their own.
6. Cascading Style Sheets will be studied and the students will demonstrate an understanding of how their code, the browser, and the user affect their use.
7. Students will demonstrate the use of JavaScript and JQuery in their sites.
8. Websites will be uploaded onto the Univ. of Wisconsin Oshkosh server and the students will troubleshoot any issues of online presentation.
9. Basic multimedia software, such as Photoshop, Premier, and Web Applications will be demonstrated on the student's websites.
10. The importance of security, maintaining a website, and keeping it up to date will be covered.
11. The W3C Accessibility standards will be implemented on all sites produced in this course.
12. The relationship between forms and databases will be discussed and demonstrated using PHP.
13. A functional use of modern practices in website design using WordPress and other software implementation resources will be created.
14. Problem solving skills will be developed along with creative design work.
15. Each student will learn how to implement responsive websites for a mobile device.

Extra Credit: A 3-5 minute presentation on a subject of your choice that demonstrates or describes a relative topic of web page design or a website that you have found useful when creating your webpages.

Requirements: You are expected to learn all of the material presented in the lectures and assigned to you on Lynda.com Website Design Playlist. Lab assignments are a requirement of the course and must be turned in to receive a grade. An unacceptable assignment will not receive a grade if:

1. It is not handed in by the end of the course.
2. It is not a reasonable attempt to solve the assigned problem, or
3. It is not your own work

Programming assignments are to be submitted on the due date announced.
Late assignments will be deducted by 10% per week.

Attendance: Attendance is necessary to learn the material. There will be things Presented in class that are not on the slides and you need to be there to learn them. If you need to miss a class, make sure to get the notes from a reliable classmate.

- You may miss three classes without penalty (for illness, prior commitments, religious observance, work or anything else you feel is important), and after that you will lose one percentage point of your course grade for each day missed (up to 10% of your class grade)

Exams and Quizzes: If you are unable to take a scheduled exam or quiz, you will be allowed to take a make-up exam provided that you make arrangements **prior** to the exam or quiz:

Discussions: There will be online discussions on current technology topics. To get credit for participating please post at least one response to the instructor's question and at least one or two responses to other student's comments. Your posts will go toward your quiz/assignment grade as extra credit.

Grades:

93-100	A	78-79	C+
90-92	A-	73-77	C
88-89	B+	70-72	C-
83-77	B	60-69	D
80-82	B-	59 – below	F

Course Tentative Lecture Topics:

Week 1 - Chapter 1: Introduction
Week 2 - Chapter 2: HTML Basics
Week 3 - Chapter 3: CSS Introduction
Week 4 - Chapter 4: Working with Images and Graphics
Week 5 - Chapter 5, 6 &7: Good Web Design and Accessibility

Week 6 - Chapter 12: E-Commerce, Promoting your website
Week 7 - Exam I – March 14 & 15
Week 8 - Chapter 8: Mobile Design & Wireframes
Week 9 - Chapter 9: Responsive Design
Week 10 – Chapter 10&11: Web Site Project Management and Multimedia
Week 11 – Chapter 14: JavaScript and JQuery
Week 12 – Chapter 13: Search Engine Optimization
Week 13 – Usability Design
Week 14 – Exam II – May 9 & 10