

CS-125 Web Site Development

Fall 2019

Section 1: 5:10 – 8:00 Monday, Halsey 101 Teaching Lab
Instructor: Kathy Lynch
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Office: Halsey 101
Office hours: 4:30 -5:00, Monday or after class
Phone: 424-1085

Texts: “Basics of Web Design HTML5 & CSS3”, Terry Felke Morris

Topics: Internet Intro, HTML5, CSS3, WordPress, Mobile Apps and Responsive Design, HCI Web Standards, Form Layout, E-Commerce and managing your site, Photoshop skills, FTP, Working with Web Applications, Introduction to JavaScript, PHP, and Databases

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

Course Description:

This is an introductory course on website design and online branding. It covers elementary aspects of popular web development software packages. You will learn to create complete websites using responsive design and web services. The expectations for prerequisite knowledge are only basic computer skills.

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, Flash, 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.
13. A functional use of modern practices in website design using WordPress and other software implementation resources will be developed.
14. Problem solving skills will be developed along with creative design work.
15. Each student will modify their website for a mobile device.

Extra Credit: A 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 2 pts per class day.

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)

Academic Misconduct:

As a UW Oshkosh student, it is your responsibility to be informed about what constitutes academic misconduct, how to avoid it and what happens if you decide to engage in it. Examples of academic misconduct include (but are not limited to):

- plagiarism (turning in work of another person and not giving them credit),
- stealing an exam or course materials,
- copying another student's homework, paper, exam
- cheating on an exam (copying from another student, turning in an exam for re-grading after making changes, working on an exam after the designated time allowance)
- falsifying academic documents

Please refer to UWS Chapter 14 (University of Wisconsin Student Academic Disciplinary Procedures) for information on academic misconduct . Pay particular attention to UWS 14.03 (definition of academic misconduct) and UWS 14.04 (disciplinary sanctions). Please note that all incidents of academic dishonesty will be reported to the appropriate university authorities. It is not acceptable for two or more students to work together and turn in the same work unless the assignment is specifically a group assignment. In the case of a group assignment, groups are treated as a unit and the sharing of work between groups is not permitted. Plagiarism is defined as the use of another's work without attribution. It is acceptable to use a published solution to a particular problem if the solution's source is documented. If you are using material from a published source or an organization's internal documents, that source must be documented or referenced. If proprietary materials are utilized, appropriate permissions must be obtained.

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 response to another student's comments. Your posts will go toward your quiz/assignment grade as extra credit.

Disability accommodations

If you would benefit from any disability-related accommodations or assistance in this classroom, let me know as soon as possible and I will do everything I can to help. You will want to contact Disability Services (Dean of Students Office, 125 Dempsey Hall, 424-3100) for the University accommodation request form and documentation requirements if you have not already done so.

"Students are advised to see the following URL for disclosures about essential consumer protection items required by the Students Right to Know Act of 1990: [https://uwosh.edu/financialaid/consumer-information/.](https://uwosh.edu/financialaid/consumer-information/)"

Grades:

93-100	A	78-79	C+
90-92	A-	73-77	C
88-89	B+	70-72	C-
83-87	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 – Images and Graphics: Photoshop Basics

Week 4 - Chapter 3: Website Development Programming

Week 5 - Chapter 4: Working with CSS Styles, Images and Graphics

Week 6 - Chapter 5, 6 & 7: Good Web Design and Accessibility

Week 7 – Chapter 8: Working with Forms

- Exam I – Oct. 22

Week 8 - Chapter 10 & 11: Multimedia

Week 9 - Chapter 14: JavaScript and JQuery

Week 10 - Chapter 8&9: Mobile Design with Responsive

Week 11 – Chapter 12: E-Commerce, Researching your target audience

Week 12 – Chapter 13: Search Engine Optimization

Week 13 – Server programming with PHP including Usability Design

Week 14 – Exam II – Dec. 10