COMP SCI 125: Web Site Development

Term: Spring 2022
Credits: 3
Lecture: 11:30 AM - 12:30 PM, Monday, Wednesday in UWO Fox Cities (M 2819)
   via Zoom to UWO Fond du Lac (C 243)
Lab: 11:30 AM - 12:30 AM, Friday in UWO Fox Cities (M 2819)
   via Zoom to UWO Fond du Lac (C 243)

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.

This course does not apply toward the Computer Science major or minor. Not open to students who have completed COMP SCI 271.

Prerequisite: None.

Instructor

Name: SIVASAMY, Ahilan
Email: SivasamyA@UWOsh.edu
Phone: +1 (920) 832-2615 (office)
Office: UWO Fox Cities Campus (M 2816)
Office hours: (subject to change):

	Mon	Tues	Wed	Thu	Fri
9:00 AM					
10:00					
11:00					
12:00 PM					
1:00					
2:00					
3:00					

Course Website

The course website is Canvas: <https://uwosh.instructure.com/>. You should check Canvas on a regular basis, perhaps two or three times per day.

Required Textbook

"Basics of Web Design HTML5 & CSS3" 6th Edition, Terry Ann Felke-Morris from Pearson

Course Grade

Your final course grade will be based on the following components.

5% QUIZZES

20% HOMEWORK ASSIGNMENTS

25% WEB SITES

50% EXAMS
There will be two equally weighted in-class/online exams. Exam material will come from the lecture notes, quizzes, textbook, homework assignments and labs. There will be more information about each exam as it approaches. The actual exam dates will be announced in class at least one week before the exam. All exams will be taken during the regular class period.

   If you are unable to take a scheduled exam, it may be possible to take a make-up exam provided that you do both of the following, which are then subject to my approval:

1. Make arrangements prior to the scheduled exam (for last minute emergencies, telephone me at 920-832-2615 or leave a message at the Computer Science office, 920-424-2068. **No after-the-fact notifications will be accepted**.

2. Have a written medical excuse signed by the attending physician OR have a note of justification from the Dean of Students Office.

   If allowed, only one make-up exam will be given. It will be a comprehensive exam given at an arranged time during the last week of the semester.

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.

Grading Scale

Grading will be on a plus/minus system. Grading may be done on a curve depending on the overall performance of the class. If no curve is used, then your grade will be computed based on the following:

Percentage	Grade
> 92	A
> 90 and ≤ 92	A-
> 88 and ≤ 90	B+
> 82 and ≤ 90	B
> 80 and ≤ 82	B-
> 78 and ≤ 80	C+
> 72 and ≤ 78	C
> 70 and ≤ 72	C-
> 68 and ≤ 70	D+
> 62 and ≤ 68	D
> 60 and ≤ 62	D-
≤ 60	F

Re-grading

If you believe an assignment, quiz, or lab program was graded incorrectly or unfairly and would like to have it regraded, please let me know about it in writing within one week of receiving the assignment, quiz, or lab program back. I will regrade the entire assignment, quiz, or lab program and you may gain or lose points.

Late Work

Late work will NOT be accepted. Late work is worth 0 points. Extensions may be granted at the discretion of the instructor and only in rare cases.

Coding Standards

In this class, you will write several short to medium-length HTML programs. One of your goals (during this class and beyond, in HTML or any programming language) should be to write understandable, readable code. You should be making every effort to document anything that might be confusing to a reader unfamiliar with your program using correct spelling and grammar, to name variables intelligently, to use indentation that reflects the code's organization, and so on. All of this will be taken into account during grading: poorly organized or written code may have a negative impact on your grade, even if the resulting program works fine. Briefly, your code must be formatted in a consistent and easily readable manner. At a minimum, I will require that you utilize the auto-format feature of whatever development environment we use (e.g., "Auto-layout" in NotePad++ Editor).

One of the goals of this class is to teach you to write functioning programs in HTML. Thus, your code must compile and run correctly in order for you to receive full credit. Code that does not compile will receive substantially less than full credit. Keep this in mind when writing programs: write your code in small pieces, making sure each piece works before moving on to the next one. It is much better to turn in a project that is not finished but has many working pieces than to turn in one that doesn't work at all, even though most of the code is written.

All assignments and labs must be submitted electronically via CANVAS (each assignment will contain specific instructions). It is your responsibility to ensure that your assignment was submitted correctly. You must double check to ensure your assignment or lab was uploaded correctly.

University Policy on Academic Integrity

The UWO Fox Cities and UWO Fond du Lac is committed to a standard of academic integrity for all students. The system guidelines state: "Students are responsible for the honest completion and representation of their work, for the appropriate citation of source, and for respect of others academic endeavors" (UWS 14.01, Wisconsin Administrative Code).

Often, students are not aware of the ways to identify and avoid plagiarism. Therefore, it is important to educate yourself about how to give proper credit to sources that you use in your assignments. For writing assignments, you can consult the Purdue Owl website on how to identify and avoid plagiarism: <`https://owl.purdue.edu/owl/teacher_and_tutor_resources/preventing_plagiarism/avoiding_plagiarism/index.html`>. This website outlines the strategies for avoiding plagiarism in this course. However, other courses may demand knowing other ways to identify and avoid plagiarism. Therefore, I encourage you to consult with me if it is unclear to you how you give proper credit to your sources of information.

In sum, all material turned in for this course must be original. In this course, you may not re-use papers or projects from other sections of this course, from other courses you have completed, or other courses you are currently completing. This class is a specific event in your learning process. To learn, you must engage in the material and complete the work. Thus, work from other experiences is not acceptable. All work turned in that is plagiarized will receive a "0" in the course.

Course Objectives (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, at conclusion of the course, students will be able to:

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 taught, and 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 programming in their sites.

8. Websites will be uploaded onto the UWO Fox Cities server and UWO Fond du Lac server and the students will troubleshoot any issues of online presentation.

9. Basic multimedia software, such as Photoshop 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.

Course Lecture Topics:

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

Topics: Internet Intro, HTML5, CSS3 Styles, WordPress, Mobile Apps, Responsive Design and Accessibility, HCI Web Standards, Form Layout, E-Commerce and managing your site, Photoshop skills (Images and Graphics), FTP, Working with Web Applications, Multimedia, Introduction to JavaScript and JQuery, and Databases, E-Commerce and researching your target audience, Search Engine Optimization, Server programming with PHP including Usability Design.

Week 1 - Chapter 1: Internet and Web
Week 2 - Chapter 2: HTML
Week 3 - Chapter 3: Web Design
Week 4 - Chapter 4: Cascading Style Sheets
Week 5 - Chapter 5: Graphics and Text Styling
Week 6 - Chapter 6: More CSS
Week 7 - Midterm Exam

Week 8 - Chapter 7: Page Layout
Week 9 - Chapter 8: Responsive Layout
Week 10 - Chapter 9: Table
Week 11 - Chapter 10: Form
Week 12 - Chapter 11: Media and Interactivity
Week 13 - Chapter 12: Web Publishing
Week 14 - Final Exam

Students' Rights and Responsibilities: Course Policies

WELCOME STUDENTS!

As a UWO Fox Cities and UWO Fond du Lac student, you have rights and responsibilities regarding your relationship with both the classroom and university community. The policies in the course specifically as well as at UWO Fox Cites and UWO Fond du Lac generally are in place to foster an equitable and safe classroom and campus climate. The primary goal of all policies is to create a classroom and campus community in which all students can access learning, achieve success, and reach their goals. Your rights and responsibilities are important to know both so that you can enhance your learning experience and contribute positively to the campus climate. Specific policies and procedures can be accessed through the Student Affairs Policies and Procedures web page <https://uwosh.edu/handbook/policies>.

INCLUSION STATEMENT

Building relationships and community is one of the most important goals of the course. The only way to build community in this course is to honor each person in terms of their identity. Each student in the course will conceive of their identity in different ways; aspects of identity important to students in the course may include race, ethnicity, ability, sex, sexuality, gender, gender expression, gender identity, religious beliefs, political affiliations, and/or class. Thus, each of us, myself included, must honor each student's identity in all its complexity. We need to work on taking up perspectives unlike our own, challenging our assumptions and finding a route toward understanding the similarities and differences between ourselves and others.

STUDENTS WITH DISABILITIES

Most importantly, students with disabilities are welcome in this course! If you need alternative/additional instructional structure for this class due to specific individual learning needs, please talk to me and we can work together. I am committed to creating an environment conducive to learning for all students.

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 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/>."

UNIVERSITY POLICY ON TYPES OF EXCUSED ABSENCES

There are several forms of absences that are excused under University policy: "Students are excused from class for participation in all-University events [GEN 4.B.10 (1)(b)] and for circumstances beyond the students' control including, but not limited to medical or family emergencies (medical care for pregnancy, illness, child care issues, death or serious health problem of family member), court appearance, required military service not to exceed two (2) weeks unless special permission is granted by the instructor or chair, jury duty, etc." Student responsibility: "Students are responsible for notifying the instructor. . . as far in advance as possible and may not be penalized for such absences as long as appropriate documentation is provided in a timely fashion to the instructor to verify the reason for the absence." Instructor responsibility: "Instructors are responsible for providing reasonable accommodation or opportunities to make up course obligations that have an impact on the course grade."

RELIGIOUS ACCOMMODATION FOR STUDENTS

Both University policy and state policy requires that instructors honor students sincerely held religious and faith traditions by making accommodations for religious holidays or other days of special religious significance. If there is a scheduling conflict for you between attending a course session and/or completing coursework on a day of religious observance, then, it is necessary to "notify the instructor within the first three weeks of the beginning of classes of the specific days or dates on which you will request relief from an examination or academic requirement."

CREATING A SPACE FREE FROM SEXUAL HARASSMENT

The University policy on sexual harassment is very clear: it will not be tolerated anywhere on campus, including the classroom. Sexual harassment is defined by the UWO Fox Cites and UWO Fond du Lac as follows: "Sexual harassment is a form of sex discrimination. It [is] . . . the inappropriate introduction of sexual activities or comments into the work, learning, or living situation. Such behavior is not acceptable at the UWO Fox Cites and UWO Fond du Lac and will result in disciplinary action."

ATTENDANCE

I am dedicated to your success and know that attendance is crucial to achieving improvement in your skills and abilities and, thus, your success in the course. Therefore, I may keep track of attendance weekly. Missing two weeks or more of the course may result in a failing final course grade. In turn, if I receive no communication from you for two weeks, I reserve the right to withdraw you from the course.

If you experience difficulties such as illness or death in the family or other significant disruptions in your life as discussed in the section on excused absences above, then, please communicate with me about your situation and we will forge a plan on how to best catch you up in the course.

DROPBOX

Odd things happen in cyberspace-emails get lost, servers disconnect temporarily, and logins fail. Due to this challenge, you should anticipate possible mishaps and complete your work with enough time to meet the deadline. In turn, timely communication aids success: reply to emails received and check for replies to your sent emails. With these strategies, you will be able to meet my expectations of getting work in on time.

Policy on Electronic Cigarettes

The use of electronic cigarettes (e-cigarettes) of any kind within the classroom is strictly prohibited.