

CS 116 – Web Technology I

Spring 2014

Course Description: CS 116 is an introductory, hands-on course on web site development. Students will learn how to plan and publish web sites and develop electronic portfolios that are exciting, efficient, accessible, and well designed. Students will gain insight into the technology behind the World Wide Web by working with the HTML and CSS markup languages. No prior programming experience is necessary for this course.

Prerequisites: None

Credits: 3 S.H.

USP Category: USP: Contemporary Citizenship.

Textbook: T. Felke-Morris, *Web Development and Design Foundations with HTML5, 6th Edition* Pearson Education, 2012.

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The World Wide Web surfaced in November 1990. Now, over twenty years later, the web is becoming central to most aspects of our lives. There is an enormous amount of information available on the web and anyone with web access can get to it, but being able to participate as an effective citizen in this arena requires more than just accessing what is put out there by others. Effective citizenship requires one to be able to contribute information to the web as well.

Topics we will attempt to cover include, but are not limited to, the following:

1. Web page design
2. Using network drives
3. HTML
4. CSS
5. Multi-media in web pages
6. File management
7. Evaluating web sites
8. Impact of web technology on society

This list indicates topics to be covered; it does not reflect the order in which we will cover them.

Course Grading:

Labs (20%)* 11 labs, drop lowest lab score
Tests (45%) 3 during semester
Project 1 (15%)* Individual web site
Project 2 (20%)* 2-person team web site

Deduction of 1% for any time found accessing websites during class (e.g., facebook) that are not pertinent to the class topic or discussion.

* Labs and projects must be in the class store before midnight on the day they are due.

No late labs or projects will be accepted.

Course Objectives and Student Learning Outcomes:

Upon entering CS 116, students should have

- Experience surfing and using the web
- Motivation to evaluate and create web pages

Upon completing CS 116, students should be able to

- effectively use the web in his/her area of academic interest;
- use critical thinking to analyze and evaluate web sites;
- use text, images and layout to communicate concepts on a web page ;
- effectively use web tools including text editors, multimedia tools and search engines; and
- work independently and in collaborative problem solving groups.

Academic Dishonesty Policy:

All tests in CS 116 are closed book/closed notes. It is considered cheating to view your notes or to communicate with or copy from a classmate during a test.

All labs and Project 1 in CS 116 are individual assignments. You may discuss your labs with classmates, but you must enter all the information yourself. It is considered cheating to copy any portion of the assignment from anyone else or to knowingly permit someone else to copy your assignment.

Project 2 in CS 116 is a team project. You may exchange information with you team mate(s), however, it is considered cheating to copy any portion of the assignment from anyone else or to knowingly permit someone outside of your team to copy your assignment.

Anyone who is caught cheating in this class will receive a grade of F for the class. Note also that if you are caught cheating then you will not be permitted to withdraw from the class (i.e., the F will go on your permanent transcript).

Attendance Policy:

You are expected to be present for all class meetings and to arrive at class with your laptop for classroom use. At a minimum, I expect you to treat each other (and your instructor) politely and with respect. This includes turning off all cell phones (or muting them), participating in class, and arriving in a timely manner. Please remember that personal conversations and non-class related web surfing during lecture and lab time are distracting to your fellow students.

Commitment to Inclusive Excellence

WSU recognizes that our individual differences can deepen our understanding of one another and the world around us, rather than divide us. In this class, people of all ethnicities, genders and gender identities, religions, ages, sexual orientations, disabilities, socioeconomic backgrounds, regions, and nationalities are strongly encouraged to share their rich array of perspectives and experiences. If you feel your differences may in some way isolate you from WSU's community or if you have a need of any specific accommodations, please speak with the instructor early in the semester about your concerns and what we can do together to help you become an active and engaged member of our class and community.

See the WSU Diversity site for a list of useful resources: <http://www.winona.edu/diversity>