IT 381 – Web Apps for M-Commerce
General Course Syllabus

Department of Information Technology and Administrative Management

Design and implementation of the information technology infrastructure needed to operate a mobile web-based business Website.

Prerequisites: IT 322 Credits: 4

This class centers on the technologies used in creating websites for mobile devices, including but not limited to smartphones and tablets. It gives students the chance to develop skill in analyzing and selecting the most appropriate technologies available for their mobile site. It covers the interrelation of technology, infrastructure, processes, and user experience.

Course topics include:
- Adobe Dreamweaver CS 6 mobile design and creation tools
- steps in planning a mobile website
- considerations: site maintenance and copyright compliance
- creating mobile app pages that include text, links and images using jQueryMobile
- forms and form objects
- using and modifying HTML 5 and XHTML code
- style sheets and CSS coding
- static and dynamic page layout using CSS
- using XML data with jQuery Mobile
- using media objects
- designing for multiple screen sizes and devices

Students will be able to . . .

Plan a mobile website.

Assessments

Rubric-based assignments, projects, and/or exams.
Interpret mobile site goals, requirements, and internal specifications.
Rubric-based assignments, projects, and/or exams.

Assess the usability of a mobile website using an informal usability test.
Rubric-based assignments, projects, and/or exams.

Explain how browser compatibility can determine functionality of your site.
Rubric-based assignments, projects, and/or exams.

Choose an appropriate platform for site development.
Rubric-based assignments, projects, and/or exams.

Design site architecture that includes appropriate security considerations.
Rubric-based assignments, projects, and/or exams.

Distinguish key components in development and testing.
Rubric-based assignments, projects, and/or exams.

Evaluate and use new technologies for mobile websites including XHTML, CSS, XML, jQuery, jQueryMobile and HTML5
Rubric-based assignments, projects, and/or exams.

Construct a plan and budget for the continued maintenance of a site.
Rubric-based assignments, projects, and/or exams.

Create a plan for implementation of a small to medium sized mobile site/app.
Rubric-based assignments, projects, and/or exams.

Create a working mobile site/app.
Rubric-based assignments, projects, and/or exams.

Specific course faculty and materials will vary by quarter. Current information can be found on my.cwu.edu.
ITAM classes are often offered in online, hybrid or traditional formats. Visit my.cwu.edu for more details or contact our office at ITAMInfo@cwu.edu.
Academic Integrity is a standard set for this course. Students are expected to complete all of their coursework and assignments using their original words and ideas and will properly cite the words and ideas of others. Students are also expected to be honest in their interactions with the instructor. A student found to have not upheld these expectations is subject to failing this course and shall be subject to disciplinary action or sanction. The University catalog defines the term “academic dishonesty” in all its forms including, but not limited to:

- cheating on tests;
- copying from another student’s test paper;
- using materials during a test not authorized by the person giving the test;
- collaboration with any other person during a test without authority;
- knowingly obtaining, using, buying, selling, transporting, or soliciting in whole or in part the contents of an un-administered test or information about an un-administered test; bribing any other person to obtain an un-administered test or information about an un-administered test; substitution for another student or permitting any other person to substitute for oneself to take a test; plagiarism” which shall mean the appropriation of any other person’s work and the unacknowledged incorporation of that work in one’s own work offered for credit;
- “Collusion” which shall mean the unauthorized collaboration with any other person in preparing work offered for credit.

Course requirements will not be waived but reasonable accommodations will be developed to help you meet the requirements. You are expected to work with the instructor and the CWU Disability Support Specialist to develop and implement a reasonable Accommodation Plan. For more information please visit: [www.cwu.edu/disability-support/](http://www.cwu.edu/disability-support/)

The TurnItIn feature of Canvas helps students learn to use sources and citations appropriately. TurnItIn matches the material in student papers against material on the Internet and in our database of CWU papers. Representing the words or ideas of someone else as your own is a violation of the CWU Student Conduct Code and a serious infraction in this course. If you have questions about appropriate ways to include the words or ideas of other people in your papers, contact the instructor. Papers submitted to TurnItIn are added to the database of papers. Your instructor has the option of what papers and assignments may be submitted and/or randomly submitted to TurnItIn.

Central Washington University is a community of scholars and writers who are supported by the University Writing Center. Peer consultants guide students of all disciplines and all levels toward communication that will be effective in a global and diverse environment. Visit: [www.cwu.edu/learning-commons/university-writing-center](http://www.cwu.edu/learning-commons/university-writing-center) for more information.
We are here to help!

Call: 509.963.2611
Email: ITAMInfo@cwu.edu
Explore: www.cwu.edu/it-management
Visit: ITAM Main Office, Shaw Smyser 223, Central Washington University, Ellensburg WA 98926

Quality Teaching | Personal Advising | High-Demand Programs