

Information Technology and Administrative Management Department
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ITAM Information Technology & Administrative Management Central Washington University	IT422 Website Construction Course Outline – 4 Credits
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COURSE DESCRIPTION

Design and implementation of the information technology infrastructure needed to operate a business Website

PURPOSE OF COURSE

This class centers on the technologies used in creating Websites. It gives students the chance to develop skill in analyzing and selecting the most appropriate technologies available for their site. It covers the interrelation of technology, infrastructure, processes, and user experience.

COURSE OBJECTIVES

Upon completion of this class, you will be able to: - Plan a Website - Document site goals, requirements and internal specifications - Conduct an informal usability test of a Website - Explain how browser compatibility can determine functionality of your site - Choose an appropriate platform for site development - Design site architecture that includes appropriate security considerations - Identify key components in development and testing - Evaluate and use new technologies for use in a Website including XHTML, CSS, XML, Spry and Ajax - Plan and budget for the continued maintenance of a site - Create a plan for implementation of a medium sized site - Create a working site

COURSE TOPICS (using latest version): - Adobe Dreamweaver CS3 design and creation tools - steps in planning a Website - considerations: site maintenance and copyright compliance - creating Web pages that include text, links and images - forms and form objects - using Dreamweaver templates - using and modifying HTML and XHTML code - style sheets and CSS coding - static and dynamic page layout using CSS - using XML data with Spry and Ajax controls - introduction to animation techniques - using media objects

METHODS OF INSTRUCTION

Instructor lecture and demonstration, individual projects and examinations