


Information Technology and Administrative Management Department
www.cwu.edu/~ITAM

	IT426 Applications of Web Languages Course Outline – 4 Credits
---	--



Chuck Wahle
Information Technology and Administrative Management
Department

Office: Shaw 230
Office Hours: Varies by quarter. Call or e-mail
Phone: 509.963.2372
E-Mail: cwahle@cwu.edu
Web page: <http://www.cwu.edu/~cwahle>

Course Description:

Prerequisite, IT 422. Web languages for the non-computer science student

Course Objectives:

This class centers on the programming languages used in creating Websites. It gives students the chance to develop skill in analyzing and selecting the most appropriate programming languages available for their site. It touches on the interrelation of technology, infrastructure, processes, and user experience including: - HyperText Markup Language (HTML) overview - eXtensible HyperText Markup Language (XHTML) overview - Differences between HTML and XHTML (and why you should use the latter) - Maintenance issues and CSS - Introduction to JavaScript and examples of use - Spry and Ajax (with XML data) - Using XML with Flash - Introduction to ActionScript 3.0 (and the use of classes and object oriented programming) - ASP

Learner Outcomes:

Upon completion of this class, you will be able to:
- Select appropriate languages to accomplish specific tasks on 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

METHODS OF INSTRUCTION

Instructor lecture and demonstration, individual projects and examinations