

Information Technology and Administrative Management Department  
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 <p><b>ITAM</b> Information Technology &amp; Administrative Management Central Washington University</p>	<p>IT470 Database and the Web Course Outline – 4 Credits</p>
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## COURSE DESCRIPTION

Design and production of dynamic Web pages using a server housed database and client side scripts. The course will center around using Dreamweaver CS3 with Microsoft Access, Spry and Ajax, Flash CS3 and Flex 3 with XML. (Or most recent software versions – contact the instructor for update)

## PURPOSE OF COURSE

This class centers on the technologies used in creating dynamic 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. Emphasis will be placed on the development of .asp web pages that interact with a server based Microsoft Access database.

## COURSE OBJECTIVES

Upon completion of this class, you will be able to:

- Plan a website that takes input from the user and dynamically creates pages in response using Dreamweaver CS3
- Create pages that dynamically react using Flash CS3 and Flex 3
- Create pages that allow for user input
- Document site goals, requirements and internal specifications
- Create viable user interfaces for input and retrieval.

**COURSE TOPICS** (or using latest version): - Dreamweaver CS3, Flash CS3 and Flex 3 dynamic Webpage creation - steps in planning a dynamic Website - considerations: site maintenance and database restrictions - forms and form objects - Recordsets, Data Grids, Filtering and Sorting - Creating XML databases from other tools - static and dynamic page layout - Creating HTML and Flash forms

**METHODS OF INSTRUCTION**

Instructor lecture and demonstration, individual projects and examinations