

**NorthWest Arkansas Community College  
Business and Computer Information Course Outline**

**PROG 2303 WEB PROGRAMMING II (On Demand)**

**Catalog Description**

This course will cover the creation and manipulation of server-side scripting and database manipulation to create responsive web pages. PHP, ASP, PERL, C++ or other languages being used for scripting may be used. Students will learn to manipulate form data, create log-in scripts, manipulate databases and use cookies among other dynamic WWW techniques. (Outside lab time will be required.)

**Prerequisite:** CISM 1403 Database Management, CISM 1213 Operating Systems Unix, PROG 1303 Web Programming I (recommended) or PROG 1003 Beginning Basic Programming

**Credit Hours:** 3

**Target Audience & Transfer**

This course is for students seeking training in programming languages and greater training in the manipulation of the World Wide Web, applicable to students seeking self-improvement or an AAS degree in Computer Information.

**General Course Objectives**

Knowledge:

Demonstrate competence of microcomputer programming concepts by creating Web Pages.

Design, create, code, update, and maintain programs written using a structured format.

Learn the Dynamic elements usable on the server side of the World Wide Web.

Critical Thinking:

Design a program for a given task.

Analyze the output for accuracy.

Academic Skill:

Use basic algebra and math.

Cultural Awareness:

Appreciate the speed and accuracy of work accomplished with the aid of a personal computer.

**Required Text**

*To Be Announced.*

**Possible Topics**

Program Development	Java Scripts
Program Divisions	Java Applets
Arithmetic Calculations	Common Gateway Interface
Data Manipulation	Active Server Pages
File Manipulation	PHP
Dynamic HTML	

**Instructional Activities**

Computer Lab: Students will require additional time in the computer lab to complete Programming projects.

Projects/ Assignments: Outside programming projects plus a Final Programming project producing an interactive Web Site with log-ins and personalized output.