

NorthWest Arkansas Community College
Business & Computer Information Systems Division
Computer Information Department Course Outline

PROG 1303 WEB CLIENT-SIDE PROGRAMMING (F-Odd Years)

Catalog Description

This course will introduce the student to basic programming logic, techniques and languages used to create dynamic pages for the World Wide Web. Covered topics may include client-side scripting, Java Applets, DHTML, XML and/or other basic topics of dynamic WWW pages depending on developments occurring on the WWW. (Outside lab time will be required.)

Prerequisite

PROG 1003 and CISM 2123

Credit Hours/Contact Hours/Load Hours

3/3/3

Target Audience/Transferability

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.

Student Learning Outcomes

Students completing this course will:

- Demonstrate competence of microcomputer programming concepts by creating Web Pages.
- Design, create, code, update, and maintain programs written using a structured format.
- Identify the Dynamic elements usable on the client side of the World Wide Web.
- Design a program for a given task.
- Analyze the output for accuracy.
- Use basic algebra and math.

Topics

- Software:
- (Integrated Development Environment Editor)
- Program Development
- Program Divisions
- Arithmetic Calculations
- Data Manipulation
- File Manipulation
- Dynamic HTML

Forms of Assessment

Chapter quizzes or projects
Programming projects
Final programming project