

Northwest Arkansas Community College
Business and Computer Information Systems Division

Discipline Code

PROG

Course Number

1303

Course Title

Web Client-Side Programming

Catalog Description

(F) 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, third-party libraries, DHTML, XML, JSON, and/or other basic topics of dynamic WWW pages depending on developments occurring on the WWW. (Outside lab time will be required.) Prerequisites: PROG 1003 required, CISM 2123 recommended.

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Credit Hours

3 Credit Hours

Contact hours

45 Lecture/Lab Contact Hours

Load hours

3 Load Hours

Semesters Offered

Fall-Odd Years

ACTS Equivalent

None

Grade Mode

A-F

Learning Outcomes

Students completing this course will:

- Demonstrate competence of programming concepts by creating interactive 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.

General Education Outcomes Supported

None

Standard Practices

Topics List

- Appropriate programming language syntax and structure.
- User interactions and dynamic webpages.
- Arithmetic Calculations
- Data Manipulation
- Dynamic HTML
- Input validation

Learning activities

- Assignments and Projects
- This course requires some in class, hands-on work and also additional hands-on work in a virtual or on-campus computer lab.

Assessments

Homework, Quizzes, Exams, and Projects

Grading guidelines

- A = 90-100%
- B = 80-89%
- C = 70-79%
- D = 60-69%
- F = 0-59%