

Northwest Arkansas Community College
Business and Computer Information Systems Division

Discipline Code

PROG

Course Number

2303

Course Title

Web Server-Side Programming

Catalog Description

(S) This course will cover the creation and manipulation of server-side scripts along with database manipulation to create responsive and dynamic web pages. PHP, ASP.Net, or other languages will be used based on current industry trends. Students will learn to manipulate form data, create log-in scripts, manipulate databases and use sessions and cookies among other dynamic WWW techniques. (Outside lab time will be required.) Prerequisites: PROG 1003 (required) and CISM 2123 (recommended).

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PROG 1003 (required) and CISM 2123 (recommended).

Credit Hours

3 Credit Hours

Contact hours

45 Lecture/Lab Contact Hours

Load hours

3 Load Hours

Semesters Offered

Spring-Even Years

ACTS Equivalent

None

Grade Mode

A-F

Learning Outcomes

The student will:

- Develop and design appropriate decision and looping structures, procedures and functions
- Describe a given programs purpose
- Debug a given program
- Create a program to read given data from an external server-side database
- Create a program to write given data from an external server-side database
- Load persistent data onto a dynamic Web page
- Read data from a form on a Web page form into server-side variables or database
- Create programs to dynamically load elements as the user browses the site given dynamic parameters for a Web page

General Education Outcomes Supported

None

Standard Practices

Topics List

- Uses of Sever Side Scripts & Client-Side scripts to control input
- Creation, use and need of Dynamic Web Pages
- Modification of existing scripts to desired purpose
- Data manipulation and communication using the WWW
- Database manipulation and the creation of fully dynamic web pages.

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, Projects, Quizzes, and Exams

Grading guidelines

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