

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

NTWK 2103 WEB SERVER ADMINISTRATION (S – Even Years)

Catalog Description

A study of implementing a web server in the Windows 2003 and Linux/Unix server environments. Emphasis will be placed on installation of web server software, maintenance of a web server and FTP server environment, monitoring web server performance, generating routine reports on web traffic, and troubleshooting. (Outside lab time will be required.)

Prerequisite: NTWK 2013 Networking and Information Systems

Credit Hours: 3 credit hours, which counts towards an AAS in CIS in any of the following areas of specialization: Computer Networking

Target Audience and Transfer

The target audience includes but is not necessarily limited to the following:

- Students pursuing a career in Web Technologies or Computer Networking or other related field.
- Students who wish to enhance their understanding of the installation and administration of web servers.
- Community members or networking professionals who wish to expand their understanding of web servers in general and Internet Information Server in specific.

This course does not transfer to the University of Arkansas, Fayetteville, AR.

General Course Objectives

- To offer curriculum and instructional methods that support student learning.
- To develop in each learner the skills and attitudes necessary for the attainment of academic and career goals.
- To develop in each learner the enjoyment of learning and the lifelong pursuit of knowledge.

Core Course Objectives for all NWACC sections of this course establish that a successful student will be able to perform the following tasks:

- Install Windows 2003 server software and IIS feature set
- Configure web server services
- Configure FTP services
- Manage and administer routine web server functions
- Install Linux/Unix web server software

Required/Optional Texts and Student Resources

Required:

To be determined

Required Forms of Assessment

A comprehensive final exam will be required, which accounts for 20-25% of the final grade

Required Topics Covered

- Introduction to Microsoft Internet Information Server
- Internet Information Server Architecture

- Installing IIS
- Configuring the WWW Service
- Configuring the FTP Service
- IIS Security
- Enhanced Security through Authentication and Encryption
- Virtual Directories and Servers, and Active Server Pages
- Managing and Tuning IIS
- Indexing Web Sites with Index Server
- Web Site Management
- Web Site Analysis

Optional Coverage

- The Other Servers: Transaction, SMTP, and NNTP