

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

## **NTWK 2103 WEB SERVER ADMINISTRATION (On Demand)**

### ***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 2014 Networking and Information Systems***

***Credit Hours/Contact Hours/Load Hours: 3/3/3***

### ***Target Audience/Transferability***

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.

### ***Student Learning Outcomes***

Students completing this course will:

- Configure Windows server software and IIS feature set
- Configure web server services
- Configure and use FTP services
- Manage and administer routine web server functions
- Install Linux/Unix web server software
- Understand Server-Side scripting PHP and ASP and its relationship to HTML
- Troubleshooting configuration errors and installation issues.
- Reading, writing and listening skills.
- Time management to submit assignments on time and to utilize available lab time appropriately.
- Identify the background of Homeland Security and privacy laws and how they affect Web administration.
- Define the need for security in business and government networks.

### ***Topics***

- Introduction to Microsoft Internet Information Server
- Internet Information Server Architecture
- Configuration of IIS
- Configuring the WWW Service
- Configuring the FTP Service
- IIS Security and NTFS Access Control List
- Enhanced Security through Authentication and Encryption
- Mail Servers and Clients including SMTP, POP3, and IMAP
- Managing and Tuning IIS
- Indexing Web Sites with Index Server
- Web Site Management/Web Site Analysis

### ***Optional Topic***

- The Other Servers: Transaction, SMTP, and NNTP

## ***Forms of Assessment***

Quizzes, exams, homework assignments. A comprehensive final exam will be required, which accounts for 20-25% of the final grade

Rev. 7/2019