CIT 263—Microsoft Internet Information Server  (3)

Course Description
This course is designed to provide students with the knowledge and skills to install, configure, manage, and troubleshoot Microsoft Internet Information Server. This course will also help prepare students for Microsoft Certified Professional Exams. Lecture: 2 hours, lab: 2 hours. Prerequisites: CIT 212; or consent of instructor.

Course Competencies
Upon successful completion of this course, the student can:
1. Install Internet Information Server (IIS)
2. Administer IIS
3. Configure IIS WWW service
4. Configure IIS FTP service
5. Configure IIS SMTP service
6. Utilize the security features of IIS
7. Understand the requirements and uses of Active Server Pages
8. Index a web site and do web site analysis
9. Tune and monitor IIS

Course Outline
I. Introduction to Internet Information Server (IIS)
   A. IIS versions
   B. Benefits and use of IIS
II. Installing IIS
   A. Preparation for installation
   B. Installation procedure and options
III. Managing IIS
   A. Using Microsoft Management Console
   B. IIS administrative tools
   C. IIS Metabase
IV. IIS Architecture
   A. TCP/IP Architecture
   B. Server Architecture
   C. Administration Architecture
V. Configuring the WWW Service
   A. Hypertext Transfer Protocol (HTTP)
   B. WWW properties
   C. Virtual directories
   D. Virtual servers
VI. Configuring the FTP Service
   A. File Transfer Protocol (FTP)
   B. FTP properties
VII. Microsoft Simple Mail Transfer Protocol (SMTP) Service
   A. Introduction to SMTP
   B. Configuration and management of SMTP service
VIII. Microsoft Network News Transfer Protocol (NNTP) Service
   A. Introduction to NNTP
   B. Configuration and management of NNTP service

IX. Adding Security
   A. Windows NT server security
   B. IIS security features
   C. Configuring and using Secure Sockets Layer 3.0

X. Digital Certificates
   A. Certificate and Authentication fundamentals
   B. Microsoft Certificate Server

XI. Active Server Pages (ASP)
   A. Web server extensions
   B. Web formats
   C. Using ASP

XII. Indexing Web Sites
   A. Index Server overview
   B. The indexing process
   C. Queries
   D. Index Server administration

XIII. Microsoft Transaction Server (MTS)
   A. Transaction processing fundamentals
   B. Configuration and management of MTS

XIV. Web Site Analysis
   A. Introduction to Site Server Express
   B. Using Web Maps
   C. Quick search
   D. Site summary reports
   E. Using log files
   F. Using Report Writer
   G. Using Posting Acceptor

XV. Tuning and Monitoring IIS
   A. Monitoring the IIS services
   B. Fine-tuning IIS services