SYLLABUS

DATE OF LAST REVIEW: 02/2013

CIP CODE: 11.0801

SEMESTER: Departmental Syllabus

COURSE TITLE: Web server (NT/IIS)

COURSE NUMBER: CIST0270

CREDIT HOURS: 3

INSTRUCTOR: Departmental Syllabus

OFFICE LOCATION: Departmental Syllabus

OFFICE HOURS: Departmental Syllabus

TELEPHONE: Departmental Syllabus

EMAIL: Departmental Syllabus

KCKCC issued email accounts are the official means for electronically communicating with our students.

PREREQUISITE(S): CIST-0117 Local Area Networking.

REQUIRED TEXT AND MATERIALS: Please check with the KCKCC bookstore, http://www.kckccbookstore.com/, for the required texts for your particular class.

COURSE DESCRIPTION:
Web Server will instruct the student with the tools required to install and manage the IIS Web Server site. Topics will include the setup of: TCP/IP, security and miscellaneous services.

METHOD OF INSTRUCTION: A variety of instructional methods may be used depending on content area. These include but are not limited to: lecture, multimedia, cooperative/collaborative learning, labs and demonstrations, projects and presentations, speeches, debates, panels, conferencing, performances, and learning experiences outside the classroom. Methodology will be selected to best meet student needs.

COURSE OUTLINE:
I. Introduction to NT/IIS
   A. The Operating System
      i. Basic terms
II. Installing NT/IIS
   A. Evaluating Hardware Requirements
      i. CPU Power Needed
      ii. Supported Hardware
      iii. Getting your system information
   B. Hard Drive Preparation
      i. Introduction to Hard Drive terminology
         a. tracks, sectors, partitions, format
   C. Installing the NT/IIS System
      i. Starting the installation process
      ii. Hardware Identification
      iii. Network Connection
         a. Testing the network connection
         b. Troubleshooting the network connection
         c. Changing the network configuration

III. Planning the Web Site
   A. Reasons for the site
      i. Customer Expectations
      ii. Staying Competitive
      iii. Providing cost-effective, quality customer service
      iv. Benefits of a Web Site
   B. A good web site
      i. Provides Information
         a. Variety
         b. Up-to date
         c. Unique information or services
         d. Sensitivity to bandwidth
         e. Selling products or services
   C. What makes a bad web site
      i. Bandwidth
      ii. Unprofessional design and content
      iii. Only advertisement
      iv. Examples of bad web sites
   D. Creating a plan for the site
      i. Information to include on your site
      ii. Who will create the web pages
      iii. Who will maintain the web pages
   E. Legal considerations for web sites

IV. Internet Technologies
   A. Protocols
      i. Internet Protocol
      ii. TCP
      iii. Domain Name Service
   B. Managing and Troubleshooting TCP/IP
V. Connecting to the Internet
   A. Choosing an internet connection type
      i. Connection options
      ii. Connection technologies
   B. Choosing an internet service provider
   C. Different types of ISPs
   D. Getting an IP address
   E. Getting a Domain Name
   F. The connection
      i. Dedicated Modem
      ii. Other types of connections

VI. Setting up Services
   A. Setting up a Mail Server
   B. Setting up a News Server
   C. Setting up an FTP Service

VII. Security
   A. Types of Internet threats
   B. Restricting access to Web Pages
   C. Windows NT security and IIS
      i. NTFS
      ii. Permissions
      iii. Restricting Access via TCP/IP
   D. Firewalls

EXPECTED LEARNER OUTCOMES:

A. The student will be able to identify the basic terms of the Operating System.
B. The student will be able to describe the file system and user accounts.
C. The student will be able to install the Operating System.
D. The student will be able to describe process of planning a web site.
E. The student will be able to identify internet technology terms.
F. The student will be able to describe how to make the internet connection.
G. The student will be able to describe the process to set up a mail server.
H. The student will be able to set up a mail server.
I. The student will be able to explain the process to set up a news server
J. The student will be able to setup a news server.
K. The student will be able to explain the process to set up a FTP server.
L. The student will be able to setup an FTP server.
M. The student will be able to describe the different types of security measures.

COURSE COMPETENCIES:
Upon successful completion of this course:

   *The student will be able to identify the basic terms of the operating system.*

1. The student will be able to identify the basic terms of the operating system.
The student will be able to describe the file system and user accounts.
2. The student will be able to describe the file system and user accounts.
3. The student will be able to create users accounts in the operating system
4. The student will be able to explain permissions for user/groups.
5. The student will be able to apply permissions for user/groups.

The student will be able to install the Operating System.
6. The student will be able to install the Operating System.
7. The student will be able to describe the hardware needed for the server.
8. The student will be able to define the terms used in hard drive technology.
9. The student will be able to describe the steps required to prepare a hard drive.
10. The student will be able to describe testing and troubleshooting the system.

The student will be able to describe the process of planning a web site.
11. The student will be able to describe the process of planning a web site.
12. The student will be able to identify what items are needed on a web site.
13. The student will be able to distinguish the difference between a good and bad site.
14. The student will be able to create a web site.
15. The student will be able to describe the legal considerations of a web site.

The student will be able identify internet technology terms.
16. The student will be able to identify internet technology terms.

The student will be able to describe how to make the internet connection.
17. The student will be able to describe how to make the internet connection.
18. The student will be able to describe the procedure for managing and troubleshooting TCP/IP.
19. The student will be able to distinguish between positive and negative reinforcement.
20. The student will be able to compare the features of Internet Service Providers.
21. The student will be able to explain the procedure for obtaining a domain name.

The student will be able to describe the process to set up a mail server.
22. The student will be able to describe the process to set up a mail server.

The student will be able to set up a mail server.
23. The student will be able to set up a mail server.

The student will be able to describe the process to set up a news server.
24. The student will be able to describe the process to set up a news server.

The student will be able to set up a news server.
25. The student will be able to set up a news server.

The student will be able to explain the process to set up a FTP server.
26. The student will be able to explain the process to set up a FTP server.
The student will be able to set up an FTP server.

27. The student will be able to set up an FTP server.

The student will be able to describe the different types of security measures.

28. The student will be able to describe the different types of security measures.
29. The student will be able to identify internet security threats.
30. The student will be able to explain the procedure for restricting access to web pages.

ASSESSMENT OF LEARNER OUTCOMES:
Student progress is evaluated by means that include, but are not limited to, exams, written assignments, and class participation.

SPECIAL NOTES:
This syllabus is subject to change at the discretion of the instructor. Material included is intended to provide an outline of the course and rules that the instructor will adhere to in evaluating the student’s progress. However, this syllabus is not intended to be a legal contract. Questions regarding the syllabus are welcome any time.

Kansas City Kansas Community College is committed to an appreciation of diversity with respect for the differences among the diverse groups comprising our students, faculty, and staff that is free of bigotry and discrimination. Kansas City Kansas Community College is committed to providing a multicultural education and environment that reflects and respects diversity and that seeks to increase understanding.

Kansas City Kansas Community College offers equal educational opportunity to all students as well as serving as an equal opportunity employer for all personnel. Various laws, including Title IX of the Educational Amendments of 1972, require the college’s policy on non-discrimination be administered without regard to race, color, age, sex, religion, national origin, physical handicap, or veteran status and that such policy be made known.

Kansas City Kansas Community College complies with the Americans with Disabilities Act. If you need accommodations due to a documented disability, please contact the Director of the Academic Resource Center at 913-288-7670.