LABETTE COMMUNITY COLLEGE BRIEF SYLLABUS

SPECIAL NOTE:
This brief syllabus is not intended to be a legal contract. A full syllabus will be distributed to students at the first class session.

TEXT AND SUPPLEMENTARY MATERIALS USED IN THE COURSE (if any):
Please check with the LCC bookstore http://www.labette.edu/bookstore for the required texts for this class.

COURSE NUMBER: COMP 214

COURSE TITLE: CONCEPTS OF COMPUTER SYSTEMS

SEMESTER CREDIT HOURS: 3

DEPARTMENT: Computer Science

DIVISION: General Education

PREREQUISITE: COMP 135 C++ Programming

COURSE DESCRIPTION:
An introduction of computer systems constructs, including compilers, assemblers, linking, loading input and output, system monitors, memory organization, processor structure, and resource allocation.

COURSE OUTCOMES AND COMPETENCIES:
Students who successfully complete this course will be able to:

1. Explain the basic reasons for using TCP/IP with Windows servers
   - Describe the parts of NetBEUI.
   - Describe how TCP/IP is used on the Internet
   - Explain how TCP/IP works in a Windows server

2. Describe the parts of TCP/IP layers
   - Describe the roles and responsibilities of the Service Desk function
   - Describe the roles and responsibilities of the Application Management function
   - Explain how TCP/IP and IIs work together

3. Explain the process of setting up network printers and DHCP
   - Describe the protocols for installing printers
   - Explain DHCP and how it works with networks
   - Explain how to manage leases and DHCP services.
4. Explain name resolution and WINS
   - Explain the NetBIOS Cache, LMHOSTS, and Broadcast
   - Explain how to configure WINS servers
   - Explain how to install WINS server and clients

5. Describe how to manage a DNS server
   - Explain how to browse multiple subnets
   - Explain the Domain Name System
   - Explain how to manage Microsoft DNS server

6. Explain PPTP and troubleshooting the TCP/IP process
   - Explain the Point-to-Point Tunneling Protocol (PPTP)
   - Explain the use of tools for troubleshooting TCP/IP
   - Explain how to plan and setup a TCP/IP Intranetwork