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, load-ing 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