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 182

COURSE TITLE: NETWORK ADMINISTRATION I

SEMESTER CREDIT HOURS: 5

DEPARTMENT: Computer Science

DIVISION: General Education

PREREQUISITE: None

REVISION DATE: 2013

COURSE DESCRIPTION:
This course explores Windows Server 2008 networking and helps you prepare for the MCTS/MCITP Exams 70-642& 70 643: Windows Server 2008 Network Infrastructure, Configuring. The course focuses on configuring, managing, and troubleshooting networking features and services in a Windows 2008 Server environment.
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COURSE OUTCOMES AND COMPETENCIES:
Students who successfully complete this course will be able to:

1. Analyze and determine which version of Windows Server 2008 to use in a business environment

- Explain the requirements for Windows Server 2008 Standard edition.
- Explain the requirements for a Windows Server 2008 Professional edition.
- Research and explain the hardware needed to install Windows Server 2008 Enterprise edition.

2. Explain the protocols used in setting up and configuring the Dynamic Host Configuration.

- Explain and demonstrate how to setup the Dynamic Host Configuration Protocol
- Discuss the standards and specifications, including OSI model and IEEE 802.
- Explain the different types of protocols used in networking.

3. Discuss how different network architectures operate in a network environment

- Define and explain the differences of Ethernet, Token Ring, FDDI as well as broadband technologies.
- Design, develop and install a simple network.
- Discuss integrating multiple operating systems in a complex networking environment

4. Develop, design and administrate a network environment

- Create users on the network.
- Explain how to setup remote access to networks Including Virtual Private Networks (VPN)
- Be able to develop and design a Wide Area Network (WAN).

5. Solve network problems and how to prevent network downtime, loss of data and security breaches.

- To solve network problems with current resources.
- Understanding and using Internet resources.