DCOM 203
Network Infrastructure
4 Credits (4 Lecture hours per week0

Community College of Baltimore County
Common Course Outline

Description

DCOM 203 – Network Infrastructure: enables the student to install and configure a secure network infrastructure and to insure connectivity between network hosts. Using a hands-on approach, students will load network protocols, configure, and test TCP/IP, install, and configure DNS and DHCP, enable remote access, configure Windows update, and troubleshoot connectivity problems. This course helps students prepare for the Microsoft certification exam.

Co-requisites: DCOM 202 or consent of the program coordinator

Overall Course Objectives

Upon completion of this course, students will be able to:

1. configure IP addressing;
2. install and configure DNS;
3. install and configure DHCP;
4. enable remote access;
5. install and configure file and print services;
6. configure Windows update;
7. secure communications between computers;
8. install and configure routing; and
9. troubleshoot connectivity problems.

Major Topics

   I.   Networking protocols
  II.   IP addressing
 III.   Sub-netting
  IV.   DHCP
   V.   DNS
  VI.   Remote access
 VII.   File and print services
VIII.   Windows update
  IX.   Routing
   X.   Encryption
  XI.   Troubleshooting

Course Requirements

The Common Course Outline (CCO) determines the essential nature of each course.
For more information, see your professor's syllabus.

Grading will be determined by the individual faculty member, but shall include the following, at minimum:

- Minimum of three exams

  Written assignments and research projects: Students are required to use appropriate academic resources in their research and cite sources according to the style selected by their professor.

Other Course Information
This course is a program requirement for the associate degree in Network Technology.

Date Revised: 3/1/2010