COURSE OUTLINE
DCOM 246
Network Management and Control
3 Semester Hours

The Community College of Baltimore County

Description

Network Management and Control
Emphasizes management and control of the data communications function whose primary responsibility is moving
and conveying data and information; covers network hardware, software and personnel, and the integration of voice
and data.
Prerequisite: DCOM 101

Overall Course Objectives

Upon completion of this course, the student will be able to:

1. Demonstrate general management and control concepts.
2. Demonstrate specific management and control concepts that pertain to data
communication networks.
3. Plan, organize, direct, control, and staff the entire voice/data network operation.
4. Acquire knowledge of public data networks and how to connect them to the
organization’s voice, data, and image networks.

Major Topics

1. Network Management
2. Systems Management Support Functions
3. Structure of Management Information
4. TCP/IP Protocol Suite Overview
5. Internet Network Management
6. IEEE LAN/MAN Management
7. SNA Systems management
8. Configuration Management
9. Fault Management
10. Performance Management
11. System Management Functions
Course Requirements

Grading/exams: Procedures for grading will be determined by the individual faculty member; there will be a minimum of 10 graded assignments. A final examination is required. Other graded assignments may come from any combination of the following categories: quizzes, hourly exams, a midterm exam, group projects, individual reports/presentations, or lab projects.