

**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.