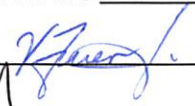


# COUNTY COLLEGE OF MORRIS

## Course Information Outline

Course Title Computers and Data Networks PREFIX&NUMBER TEL 107

Lecture Hours 3 Laboratory Hours 0 Credit Hours 3 Course Fee No

Department Chairperson Approval V. L. Fuentes  Date 2/28/13

Division Dean Approval P. J. Enright  Date 3/8/13

### General Education Information:

#### Categories:

- |  |   |   |                                      |
|--|---|---|--------------------------------------|
| <input type="checkbox"/> Communications  | <input type="checkbox"/> History        | <input type="checkbox"/> Humanities               | <input type="checkbox"/> Mathematics |
| <input type="checkbox"/> Science   | <input type="checkbox"/> Social Science | <input type="checkbox"/> Technological Competency |                                      |
| <input type="checkbox"/> Diversity (check if course also meets diversity category) |   |   |                                      |

#### Integrated Goals: (check all that apply)

- |   |   |
|---|---|
| <input type="checkbox"/> Ethical Reasoning and Action | <input type="checkbox"/> Information Literacy |
|---|---|

#### 1. Catalog Course Description

This course is an introduction to the terminology and standard practices of data networking, including concepts of essential computer components, data storage, network operating systems, computer networking models and communication framework for the transmission of voice, text and video data. Coverage includes various transmission media as well as an understanding of networking fundamentals.

#### 2. Prerequisite(s)

None

#### 3. Co-requisite(s)

#### 4. Textbooks

#### 5. Supplementary Books and/or Materials

Handout materials as provided by instructor.

#### 6. Specialized equipment, supplies, facilities, for classes limited by enrollment or restricted by accreditation and/or equipment limitations. (Information will be used to determine differential funding category.)

#### 7. Course Content (List of Topics)

- Introduction to the Major and Study Skills
- Introduction to Computers
- Storage & Input/Output Devices
- Networks Administration
- Desktop Operating Systems
- Communications Concepts
- Local Area Networks & Wide Area Networks
- Data Networking
- Distributed Applications
- Management of Networking Technology

**8. Statement of Course LEARNING OUTCOMES**

As a result of instruction in this course students will be able to:

- Describe the career paths available in the computer and networking industry
- List the seven layers of the OSI Model
- List equipment currently used in the industry for information transfer
- List equipment applications and equipment that will change the way information is transmitted in the future

**9. Statement of Relation to Curriculum(s)**

Will serve as an elective for Telecommunications Systems Technology programs (Curriculum Code #3650 and #3651).

**10. Format for offering the course (check all that apply)**

☒ Traditional      ☐ On-Line      ☐ Hybrid