

Bemidji State University

CS 3560: Data Communications and Networks

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: *.*

Lab Hours/Week: *.*

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

Principles of data communications as applied to modern computer networks. Prerequisite: CS 2810. May not be offered every year.

B. COURSE EFFECTIVE DATES: 08/20/1997 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Application Layer: DNS & WWW
2. Link Layer Protocols & Associated Problems
3. Media Transmission & Modulation
4. Media access Control Sublayer, Ethernet, & Wireless Protocols
5. Network Layer & IP
6. Physical Limitation of Data Transmission Rates
7. The OSI Model
8. Transport Services & protocol TCP & UDP

D. LEARNING OUTCOMES (General)

1. focus on the open systems interconnection model for computer communications.
2. understand physical basis of communication, transmission media and wireless communications.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted