ELEC 2500: Networking II

A. COURSE DESCRIPTION
   Credits: 3
   Lecture Hours/Week: 2
   Lab Hours/Week: 2
   OJT Hours/Week: *
   Prerequisites: None
   Corequisites: None
   MnTC Goals: None
   This course will cover the components of local area networks well as some of the standards and connections used. The student will configure routers, switches, and wireless devices. Students will explore the features and benefits of wireless devices and virtual LANs. (Prerequisites: ELEC1500 Networking 1) (3 credits: 2 lecture/1 lab)

B. COURSE EFFECTIVE DATES: 07/01/2010 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

D. LEARNING OUTCOMES (General)
   1. Identify switch security modes
   2. Identify trunk operation
   3. Configure VLAN routing
   4. Identify wireless standards
   5. Configure a wireless LAN
   6. Identify wireless security protocols
   7. Describe network congestion
   8. Describe ethernet operation
   9. Display interpersonal communication
   10. Configure VLANs
   11. Explain VLANs
   12. Troubleshoot various LAN problems
   13. Identify ACL tasks
   14. Display troubleshooting techniques
   15. Describe virtual LANs

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies
   None

F. LEARNER OUTCOMES ASSESSMENT
   As noted on course syllabus

G. SPECIAL INFORMATION
   None noted