

Minnesota State College Southeast

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 I) (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