

NET 225 Routing and Switching I

Credit Hours	Lecture Hours	Lab Hours	Prerequisite or Corequisite
3	5		NET 126

CATALOG DESCRIPTION

This course focuses on advanced IP addressing techniques, intermediate routing protocols, command-line interface configuration of switches, Ethernet switching, VLANs, STP, and VTP. Emphasis will be placed on application and demonstration of skills acquired in pre-requisite courses. Upon completion, students should be able to perform tasks related to VLSM, routing protocols, switching concepts and configuration, STP, VLANs, and VTP.

REQUIRED RESOURCES

Textbook(s)

Basics and Immediate Routing, CCNA 3 Companion Guide Wayne Lewis; Switching ,CCNA 3 Labs and Study Guide; Allan Johnson

Materials

USB Flash drive

Technology

none

LEARNING OBJECTIVES

- 1 Classless Routing
- 2 Single Area OSPF
- 3 EIGRP
- 4 Switching Concepts
- 5 LAN Design
- 6 Spanning Tree Protocol

COURSE DELIVERY METHODS

If this course is taught as an online, hybrid, or web enhanced course; the course will require access to the PCC Blackboard learning system via the Internet. Students are expected to login to the Blackboard course **AT LEAST 3 times per week**. Students are also expected to use the PCC Campus Cruiser web mail system to correspond with the instructor and **check email at least once every 24 hours Monday – Friday**.

COURSE SPECIFIC INFORMATION

Complete syllabus with due dates, attendance policies, and other information is provided by the instructor for the course.

Last Updated July, 2007