



Valencia Community College
Computer Engineering Technology (Networking)
Cisco Networking Academy, fall 2003
Class: CET 2625C
Room: 9-210
Certification Track: CCNP
Lecturer: Prof. Yousif, Net+, CCNA, CCDA, CCAI,
CCNP-Routing

Section: W01 12:00 PM – 4:30 PM F

Office: West Campus, 9-117

Office Hours:

M	9:00 AM	11:00 AM
T	9:00 AM	11:00 AM
W	9:00 AM	11:00 AM
R	10:00 AM	12:00 PM
F	9:00 AM	11:00 AM

Or by appointment

Phone: 582-1064; (Secretary) (407) 582-1904

E-mail: wvousif@valenciacc.edu

Web Address: <http://faculty.valencia.cc.fl.us/wvousif>



Course Description:

Building Scalable Cisco Internetworks (BSCI) focuses on Cisco routers that are connected in LANs and WANs, and typically found at a medium to large network sites. When the course is completed, students will be able to select and implement the appropriate Cisco IOS™ services to build a scalable, routed network. BSCN is part of the recommended training path for students seeking the CCNP (Cisco Certified Network Professional) certification.

Prerequisite: CET 2620C - Cisco Projects in Routing Design and Administration course or Proof of CCNA (Cisco Certified Network Associate) certification.

Expected Student Conduct

Valencia Community College is dedicated not only to the advancement of knowledge and learning but is concerned with the development of responsible personal and social conduct. By enrolling at Valencia Community College, a student assumes the responsibility for becoming familiar with and abiding by the general rules of conduct. The primary responsibility for managing the classroom environment rests with the faculty. Students who engage in any prohibited or unlawful acts that result in the disruption of a class may be directed by the faculty member to leave the class. Violation of any classroom or Valencia's rules may lead to disciplinary action up to and including expulsion from Valencia. Disciplinary action could include being withdrawn from class, disciplinary warning, probation, suspension, expulsion, or other appropriate and

authorized actions. You will find the Student Code of Conduct in the current Valencia Student Handbook

Students with disabilities who qualify for academic accommodations must provide a letter from the Office for Students with Disabilities (OSD) and discuss specific needs with the professor, preferably during the first two weeks of class. The Office for Students with Disabilities determines accommodations based on appropriate documentation of disabilities (West Campus SSB 102, ext. 1523)."

Text Material

- To Be Announced (On Line Curriculum will be used until the new book that maps to the new exam's objectives is out)

Lab Material

- Three-Ring Binder
- On Line Labs will be used until the new lab manual that maps to the new exam's objectives is out

CCNP-Routing (642-801 BSCI) Exam Preparation Kit

- To Be Announced

Cisco Academy Web Site

www.cisco.netacad.net

✓ Student Name: first three letters of your last name + first Initial + _ + VCC

Example: a student with the name of Wael Yousif would use: youw_vcc

✓ Student Password: First 3 letters of your last name + last 4 digits of your SS#

Example: a student with the last name of Yousif and SS# 123456789 would use you6789

Lab Procedures

Will be done in lab 9-208 during class time, **and cannot be made-up**. If the student is absent on the day of the lab assignment he/she will not receive credit for that lab.

Chapter Tests

Will be given at the beginning of the class **and cannot be made up**, so if the student is late or absent, he/she will not receive credit for that test.

Grading System

End of Chapter Tests -----	20%	A	90-100
Labs -----	20%	B	80-89
Attendance and Participation -----	10%	C	70-79
Final Written (Must Pass to Pass the Class) -----	20%	D	60-69
Final Hands-On (Must Pass to Pass the Class) -----	30%		

Week by Week Agenda

WEEK	Chapter	DESCRIPTIONS	labs	Tests
8-29	1	Overview of Scalable Internetworks	<ul style="list-style-type: none"> ➤ 1.4.1 Introductory Lab 1 - Getting Started and Building Start.txt ➤ 1.4.2 Introductory Lab 2 - Capturing HyperTerminal and Telnet Sessions ➤ 1.4.3 Introductory Lab 3 - Access Control List Basics and Extended Ping ➤ 1.4.4 Implementing Quality of Service with Priority Queuing ➤ 1.5.1 Equal-Cost Load Balancing with RIP ➤ 1.5.2 Unequal-Cost Load Balancing with IGRP 	Semester 5 Pretest
9-5	2	Advanced IP Addressing Management	<ul style="list-style-type: none"> ➤ 2.10.1 Configuring VLSM and IP Unnumbered ➤ 2.10.2a VLSM 1 ➤ 2.10.2b VLSM 2 ➤ 2.10.2c VLSM 3 ➤ 2.10.2d VLSM 4 ➤ 2.10.3 Using DHCP and IP Helper Addresses ➤ 2.10.4a Network Address Translation – Static NAT and Dynamic NAT ➤ 2.10.4b Network Address Translation – Port Address Translation and Port Forwarding 	Chapter 1 Test