



CIS 164, Cisco CCNA Discovery 3

Fall 2013, 4 semester units

CRN: 10956

Instructor: Gordon Bailey

Phone: 355-6150 (with voice mail)

Text: Optional, the course text is entirely online
Introducing Routing & Switching in the Enterprise
CCNA Discovery Learning Guide

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ISBN-13: 978-1-58713-211-7

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Course Description:

CCNA Routing and Switching teaches comprehensive networking concepts, from network applications to the protocols and services provided to those applications by the lower layers of the network. Students will progress from basic networking to more complex enterprise and theoretical networking models later in the curriculum.

There are four courses in the recommended sequence:

- CCNA 1 Networking for Home and Small Businesses Chapter Demo
- CCNA 2 Working at a Small-to-Medium Business or ISP Chapter Demo
- CCNA 3 Introducing Routing and Switching in the Enterprise Demo
- CCNA 4 Designing and Supporting Computer Networks Demo

In each course, Networking Academy™ students will learn technology concepts with the support of interactive media and apply and practice this knowledge through a series of hands-on and simulated activities that reinforce their learning.

How the class works: Relevant PC and networking topics will be discussed during the lecture class and hands-on exercises will be assigned for the lab session. Homework and periodic quizzes will be based on the Cisco site course work, lectures, and videos. Some of the practical assignments may use a simulator program (Packet Tracer). There will be 1 mid-term exam and 1 final exam; in addition there will be a quiz for each of the 9 chapters.

Student Learning Outcomes

Upon completion of this course, the student will be able to:

Describe enhanced switching technologies such as VLANs, VLAN Trunking Protocol, Rapid Spanning Tree

Protocol, and 802.1q.

Use Cisco command-line interface (CLI) commands to perform basic router and switch configurations.

Describe the importance of addressing and naming schemes at various layers of data networks in IPv4 and IPv6 environments

Design, calculate, and apply subnet masks and addresses to fulfill given requirements in

IPv4 and IPv6 networks.

Grading:	Attendance and participation.....	10%
	Lab Assignments and projects	20%
	Chapter Quiz's	20%
	Mid-Term.....	25%
	Final	25%

The grading scale is:	90 to 100% = A	70 to 79% = C
	80 to 89% = B	60 to 69% = D

To receive full credit, work must be turned in on time, at the beginning of class. **No credit** will be allowed for late work. Tests must be taken on-time (or early); there are no make-up tests. If an emergency prevents you from attending class, it is your responsibility to obtain notes and work assignments from a classmate and study them for understanding. If class notes and the text do not provide sufficient explanation, please call or see the instructor..

Interaction with the instructor and other students is an integral part of the learning process. However, you must personally use the keyboard and mouse in completing the assignments. All work submitted for grading must be your own. Cheating will result in an 'F' for the assignment or an 'F' for the course. Ethical conduct is an absolute requirement in the IT profession.

Need for Assistance: If you have any condition, such as a physical or learning disability, for which you need extra assistance, please provide me with information regarding your special needs as soon as possible so that appropriate accommodations can be made. You should also meet with DSP&S support staff and counselors. "Any student with a documented disability who may need educational accommodations should notify the instructor and/ the Disabled Students Programs and Services (DSP&S) office as soon as possible:

DSP&S
Room 2117 (Health Sciences Building)
760-355-6312 "

Class attendance, tardy, student conduct, and withdrawal policy follows the regulations in the IVC catalog. You may be dropped if your absences exceed the number of days a class meets per week. Three tardies equal one absence. Early departure is unacceptable and will be counted as an absence. If your plans change and you decide not to continue in this class, please drop yourself through WebStar; do not automatically assume the instructor will do this for you.

I recommend that you retain all of the class work that I return to you during the semester until after you receive your final grade.

The above schedule and procedures are subject to change in the event of extenuating circumstances (including meetings and seminar obligations).

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