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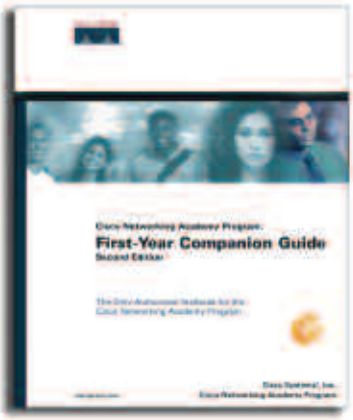
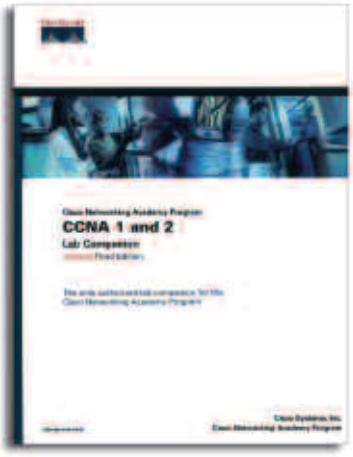
Routing and Switching I: CCNA 1





Course Number	NET 125 – Routing and Switching I
Course Begins/Ends	May 23, 2005 – August 1, 2005
Duration	10 weeks
Instructor	Sylvia Lewis
School	Stanly Community College (SACS Accredited)
Federal School Code	011194
Tuition	– Continuing Education Units $290.00 – 3 College Credits $874.00

View demo at www.cwanett.org

How This Helps Your Career

If the title Network Technician is in your career future, then you will need to know how the Internet and data networks operate. Courses 1-4 of the CCNA program are designed to provide you with a basic foundation in networking. Upon completion of these courses, you will be better prepared for the Cisco Certified Network Associate (CCNA™) certification. This certification can lead to advancement opportunities in some of the world's most prominent telecommunications companies. This is the first semester of this four-part program.

Course Description

This course will give you an introduction to basic networking and the associated terminology and protocols. Topics include the basic functions of the seven layers of the OSI model, different classes of IP addressing and subnetting, and router login scripts. You will learn the key internetworking functions of the OSI Networking Layer and how they are performed in a variety of router types. Sound confusing? It'll all make sense soon.

Objectives

The objective of this course is to familiarize you with techniques used in basic networks. At the conclusion of the course, you will understand:

- What components make up local and wide area networks
- Basic networking terminology
- Basic networking protocols of the OSI model

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Textbook and Materials You'll Need

You will need an e-mail account and an Internet connection.

In addition, the following textbooks, available from our bookstore, are required for this class:

- ***First Year Companion Guide***
- ***CCNA 1 and 2 Lab Companion*** ($116.78 including shipping)

Lab time is required as part of this course. Please contact Kevin Celata for more information at kcelata@cwa-union.org.

Week	Due
1	Module 1: Introduction to Networking Module 2: Networking Fundamentals
2	Module 3: Networking Media Module 4: Cable Testing
3	Module 5: Cabling LANs and WANs
4	Module 6: Ethernet Fundamentals
5	Module 7: Ethernet Technologies
6	Module 8: Ethernet Switching
7	Module 9: TCP/IP Protocol Suite and IP Addressing
8	Module 10: Routing Fundamentals and Subnets
9	Module 11: TCP/IP Transport and Application Layers
10	Final Exam

Prerequisites

- Basic familiarity with e-mail and the Internet
- NET 110 – Fundamentals of Networking (NET+) recommended

Learning Online With CWA/NETT Academy

Just because this class is conducted completely from the virtual class space on our WebCT servers doesn't mean you will be on your own. Your instructor will be available to answer your questions via e-mail and usually via telephone, too. As a matter of fact, you'll be keeping in touch at least once a week.

Every module (or chapter) will have an associated test; these and the final exam will be completed online within the cisco.netacad.net server. These exams can be taken multiple times to be sure you've learned the material.

If you have questions, you can contact your instructor at the e-mail or phone number provided.

Rest assured, your instructor will know your name, and with dedication and hard work, you will learn the material you set out to learn.

CWA/NETT Academy is CWA

Our unique position allows us to see how times are changing for our members, and our goal is to keep you prepared. CWA and Cisco Networking Academy are teaming up to provide you with a successful learning experience that will help you advance your career. Check out this and other courses at www.cwanett.org.

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Accurate as of 4/05