



Business Information and Engineering Technologies

Welcome

Preston Ridge Cisco Networking Academy

Fall 2009 Syllabus

ITCC-1304.XP7 / ITCC 1004.0

CCNA 2 Cisco Exploration: Routing Protocols and Concepts

MW 6:00 – 10:50 PM

PRC – Room: H-132

Instructor: Serena Butler

sbutler@ccc.edu

972-377-1715

Course Number: ITCC 1304

Course Title: CCNA 2 Cisco Exploration 2-Routing Protocols and Concepts

Course Description: This course describes the architecture, components, and operation of routers, and explains the principles of routing and routing protocols. Students analyze, configure, verify, and troubleshoot the primary routing protocols RIPv1, RIPv2, EIGRP, and OSPF. Recognize and correct common routing issues and problems. Model and analyze routing processes.

Course Credit Hours: Lecture Hours: 2
Lab Hours: 3

Prerequisite: ITCC 1301

Prerequisite/Concurrent Enrollment: N/A.

Corequisite: N/A.

College Repeat Policy: A student may repeat this course only once after receiving a grade, including "W".

Student Learning Outcomes: Describe the purpose, nature, and operations of a router; describe the purpose and nature of routing tables; describe the purpose and procedure of configuring static routes; design and implement a classless IP addressing scheme for a given network; describe the basis features and concepts of link state routing protocols; and configure and verify basic RIPv1, RIPv2, single-area OSPF, and EIGRP operations in a small routed network.

Attendance Policy: See the current Collin Registration Guide for the last day to withdraw.

Religious Holy Days: Please refer to the current Collin Student Handbook.

ADA Statement:

It is the policy of Collin County Community College to provide reasonable accommodations for qualified individuals who are students with disabilities. This College will adhere to all applicable federal, state and local laws, regulations and guidelines with respect to providing reasonable accommodations as required to afford equal educational opportunity. It is the student's responsibility to contact the ACCESS office, SCC-G200 or 972.881.5898 (V/TTD: 972.881.5950) in a timely manner to arrange for appropriate accommodations.

Academic Ethics:

The College District may initiate disciplinary proceedings against a student accused of scholastic dishonesty. Scholastic dishonesty includes, but is not limited to, statements, acts, or omissions related to applications for enrollment or the award of a degree, and/or the submission as one's own work material that is not one's own. Scholastic dishonesty may involve, but is not limited to, one (1) or more of the following acts: cheating, plagiarism, collusion, use of annotated texts or teacher's editions, and/or falsifying academic records.

Plagiarism is the use of an author's words or ideas as if they were ones own without giving credit to the source, including, but not limited to, failure to acknowledge a direct quotation.

Cheating is the willful giving or receiving of information in an unauthorized manner during an examination, illicitly obtaining examination questions in advance, copying computer or Internet files, using someone else's work for assignments as if it were one's own, or any other dishonest means of attempting to fulfill the requirements of a course.

Collusion is intentionally or unintentionally aiding or attempting to aid another in an act of scholastic dishonesty, including but not limited to, failing to secure academic work; providing a paper or project to another student; providing an inappropriate level of assistance; communicating answers to a classmate during an examination or any other course assignment; removing tests or answer sheets from a test site, and allowing a classmate to copy answers.

METHOD OF PRESENTATION

- Assignments, suggested schedules, and supplementary material to be distributed on the first class day.
- Class lectures (live and/or recorded) will cover and expand upon the assigned reading material.
- The computer lab is the setting for all face-to-face lectures and extensive hands-on experience.
- Online time activity includes Cisco curriculum, recorded presentations, and Packet Tracer Labs.

TEXTBOOK AND LAB MANUALS (optional):

CCNA Official Exam Certification Library (CCNA Exam 640-802), 3rd Edition, Wendell Odom, Cisco Press, 2008, ISBN-10: 1-58720-183-6; 1475 pages

Companion Guides – Available at Collin Bookstores and <http://www.ciscopress.com>

SUPPLIES

- memory stick or 1 CD-R
- paper notebook to maintain a “handwritten journal” (These notes can be used during the Skills-Based Assessment.)

COURSE REQUIREMENTS

IT IS THE RESPONSIBILITY FOR EACH STUDENT TO MANAGE HIS/HER TIME WITH RESPECT TO:

- reading assignments
- attending lecture
- completing all labs
- maintaining a class/lab journal (required for skills-based assessment)
- completing homework assignments
- completing chapter exams by the due date
- scheduling the skills-based exam
- preparing for the skills-based assessment and comprehensive online final exam
- completing the comprehensive online final exam and skills-based assessment as scheduled

LAB ASSIGNMENTS

Students are required to spend a specific amount of time in the Cisco laboratory. The lab assignments for each chapter are central in understanding the concepts and the implementation of the concepts in the Cisco curriculum. Each student is to provide his/her own paper copies of the labs. These can be downloaded and printed outside the Cisco lab or are available by purchasing a Cisco Lab Companion Guide.

ASSESSMENTS (See GRADING section for details regarding 2nd Attempts)

Chapter exams will be administered for each chapter. Each chapter exam will be available online for approximately 2 weeks for one attempt only. The due date for completing the chapter exams is outlined in the Class Calendar. Students may use notes and other study aids for the chapter exams.

A **comprehensive online final exam**, proctored by an instructor, will be administered on campus during finals week. No notes, study aids, or access to curriculum is allowed.

A **skills-based assessment** (hands-on skills exam) must be successfully completed to pass the course and taken with an instructor present. The student must present his/her own handwritten class journal to take the skills-based assessment: **NO JOURNAL, NO SKILLS-BASED ASSESSMENT.**

COURSE REQUIREMENT DEADLINES

Credit will be given for **ONLY** those tests, exams, et al, completed on or before the scheduled deadlines as scheduled by your instructor. The instructor may provide direction either verbally or in writing via this syllabus, or in its supplements. No credit will be given for late delivery unless prior arrangement has been communicated with the instructor.

CLASS ATTENDANCE

Attendance is required to pass this course, see Class/Lab Attendance Accountability chart below. Assignments and materials regarding attendance procedures will be discussed on your first day of attendance. Contact the instructor directly or leave voicemail or email if absence involves a scheduled test, exam or skills test prior to time of a scheduled event.

IMPORTANT ADDITIONAL INFORMATION ON WITHDRAWAL FROM THE COURSE:

Any student wishing to withdraw from the course must do so as outlined in the class schedule. **THE INSTRUCTOR CANNOT DROP OR WITHDRAW ANY STUDENT.**

The last day to withdraw from this class is September 28, 2009. Check with the Cashier's Office for specific dates and refund amounts.

GRADING

Component	CCNA1	CCNA2	CCNA3	CCNA4	Notes:
Online (Remote) Chapter Exams	10%	10%	10%	10%	
Online (In-class) Comprehensive Final Exam(s) (A score greater than or equal to 70 is required)	50%	50%	50%	50%	Only 2 attempts are allowed on the final. If a second attempt is needed, a grade greater than 74% is required. BUT your score will only reflect a 70. If the score of the second attempt is less than 75 a score of zero (0) will be assigned for the Online Final score.
Scheduled Skills-Based Assessment(s)	40%	40%	40%	40%	<p>To begin Skills Based Assessment: Student must present his own HANDWRITTEN Journal.</p> <p>NO PRINTED/PHOTOCOPIED LABS, CASE STUDIES, NOTES, ETC. PLEASE TRANSFER ALL DOCUMENTATION YOU WANT TO USE TO YOUR JOURNAL-IN YOUR OWN HANDWRITING.</p> <p>Must pass skills exam to advance to next Cisco course.</p> <p>Two attempts to pass – 1st attempt 100% (40% of total grade) 2nd attempt 70% (28% of total grade)</p> <p>Failure to show up without advanced and reasonable notice will result in a failed attempt. If a student fails to successfully complete the skills exam a score of zero (0) will be assigned.</p>

LOGIN PROCEDURES

URL	UserID	Password	Purpose
http://et-networking.ccccd.edu	Engineering	Given in class	Access CCNA curriculum on local server
http://cisco.netacad.net	Your userID (for all Cisco Academy Courses)	Your password	Chapter Exams Online Final Exam Alternate curriculum
http://ciscolearningnetwork.com	Your userID (for Cisco.com)	Your password	Certification Preparation Learning Games

LAB USAGE

Rooms H-130, H-131, and H-132

CCCCD students who are registered for a Cisco class are eligible to use these labs. Each lab has three or four racks of routers and switches. Caution must be exercised when using this equipment and a “tear-down” procedure must be followed when you are finished using the computers, routers, switches. The tear-down procedure consists of setting the equipment back to a “base-line”. Base-line means that a router, switch or workstation must be cleared of any configurations you have placed in it. Cables will be removed and placed in appropriate storage locations (see instructor if uncertain). This will make the room and equipment ready with a standard “base-line” view for the next student to use. See Room Exit Protocol (REP) protocol posted on wall. Your having to recover from an unknown password will require about 20 minutes time to execute the Password Recovery Protocol (PRC) so avoid using non standard passwords, see next paragraph.

When connecting serial cables to the routers, the DB-60’s pins must be carefully matched. If the connector is forced in upside down then the serial port will become unusable.

Only two passwords are acceptable – “cisco” and “class” (each must be lower case).

Login password = “cisco”

Secret password = “class”.

Posted on the wall are three important protocols you must understand and comply:

- Classroom “Base-line” Protocol – Room Exit Protocol (REP)
- Cell Phone Protocol – Cell Phone Protocol (CCPP)
- Password Recovery – Password Recovery Protocol (PRP)

Cisco Lab (H-130) phone number: 972-377-1519