

**OAKTON COMMUNITY COLLEGE
GENERIC COURSE SYLLABUS**

I.	<u>COURSE PREFIX</u>	<u>COURSE NUMBER</u>	<u>COURSE NAME</u>	<u>CREDIT</u>	<u>LECTURE</u>	<u>LAB</u>
	CNS	144	CISCO Network Interfacing Techniques	4	3	2
	(Formerly CNA 114)					

II. PREREQUISITE:

CNS 143 (Formerly CNA 113); a passing grade must be registered on the Cisco Assessment Server

III. COURSE (CATALOG) DESCRIPTION:

This is the fourth and final semester of the Cisco Networking Academy program (CCNA). This semester will deal with Wide Area Networks (WAN's) and the protocols and services used in constructing WAN's. Point-to-Point protocols will be studied as well as ISDN. Frame relay will be investigated as applied to network routing and laboratories will be done where applicable. The Threaded case study will be completed and presented.

IV. LEARNING OBJECTIVES:

The student should be able to complete small WAN designs such as the Washington School project using the appropriate design and documentation tools. The student will be able to make decisions as to which protocols to use with the network requirements. The student should be substantially prepared for the CCNA exam.

V. ACADEMIC INTEGRITY:

Students and employees at Oakton Community College are required to demonstrate academic integrity and follow Oakton's Code of Academic Conduct. This code prohibits:

- cheating
- plagiarism (turning in work not written by you, or lacking proper citation)
- falsification and fabrication (lying or distorting the truth)
- helping others to cheat
- unauthorized changes on official documents
- pretending to be someone else or having someone else pretend to be you
- making or accepting bribes, special favors, or threats, and
- any other behavior that violates academic integrity.

There are serious consequences to violations of the academic integrity policy. Oakton's policies and procedures provide students a fair hearing if a complaint is made against you. If you are found to have violated the policy, the minimum penalty is failure on the assignment and, a disciplinary record will be established and kept on file in the office of the Vice President for Student Affairs for a period of 3 years.

Details of the Code of Academic Conduct can be found in the Student Handbook.

VI. OUTLINE OF TOPICS:

- Review
- Wide Area Networks (WAN's)
- WAN design
- Point-to-Point Protocol (PPP)
- Integrated Services Digital Network (ISDN)
- Frame Relay
- Network Management
- Network+ Certification Exam Review
- CCNA Certification Exam Review
- Washington School case study completion and presentation

VII. METHODS OF INSTRUCTION:

A combination of lectures, lab, and on-line activities will be used to master the material.

VIII. COURSE PRACTICES REQUIRED:

All Cisco lessons and chapter tests must be completed as well as the assigned laboratories. Reading material from supplemental sources as assigned must be read and a structured journal is kept.

IX. INSTRUCTIONAL MATERIALS:

Course Technology CCNA books.

X. METHODS OF EVALUATING STUDENT PROGRESS:

All assigned work must be completed and the Cisco on-line final examination must be passed. Failure to pass the Cisco final exam will keep the student from completing the Cisco CCNA sequence and receiving the Oakton and Cisco certificates.

XI. OTHER COURSE INFORMATION:

The student will be expected to work outside of class on the Cisco on-line material. Instructor contact will be available via e-mail and Webboard.

If you have a documented learning, psychological, or physical disability you may be entitled to reasonable academic accommodations or services. To request accommodations or services, contact the ASSIST office in the Learning Center. All students are expected to fulfill essential course requirements. The College will not waive any essential skill or requirement of a course or degree program.