CIS 163, Cisco CCNA Discovery 4
Spring 2014, 4 semester units

Instructor: Gordon Bailey   **Office:** 805 (by appt.)
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Text: Optional, the course text is entirely online
Designing and Supporting Computer Networks
CCNA Discovery Learning Guide
Kenneth Stewart, Aubrey Adams, Allan Reid, Jim Lorenz, April 29, 2008
Cisco Press Publisher
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Course Description:
Designing and Supporting Computer Networks
Learners progress through a variety of case studies and role-playing exercises, which include gathering requirements, designing basic networks, establishing proof-of-concept, and performing project management tasks. In addition, lifecycle services, including upgrades, competitive analyses, and system integration, are presented in the context of pre-sale support.
This is the fourth course in the four course series preparing students for the CISCO Certified Network Administrator certification. Semester Hours 4.

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 final exam; in addition there will be a quiz for each of the 9 chapters.

Student Learning Outcomes
Students will be able to:
- Gather customer requirements
- ● Design a simple Internetwork using Cisco technology
- ● Design an IP addressing scheme to meet LAN requirements
- ● Create an equipment list to meet LAN design requirements
- ● Create and present a proposal to a customer
- ● Install and configure a prototype Internetwork
- ● Obtain and upgrade Cisco IOS Software in Cisco devices

Grading: Chapter Exams........... .... 30%
                  Lab Assignments and projects 20%
                  Skills Based Assessment.......………. 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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