CISN 341: CISCO Networking Academy (CCNA)tm: Networking Theory and Routing Technologies

Fall 2016(Hybrid)

Course ID 17563

**Instructor:** Kevin M. Anderson, MBA, CCAI, MCSE, MCDBA, CNE, LCP, CIW, Security+, N+, A+, inet+

**Office:** Business and Computer Information Science Bldg. Room B 229
Office Hours: Mon 4pm – 6pm Online
  Tues/Thurs 5pm – 6pm B229 or B2129
  Wed 6pm – 7pm B229 or B103

**Class Times:** Tues/Thurs 6PM – 7:50PM

Class meets in the Business and Computer Information Science Bldg Room B219 during the times above, the face to face session will be to predominately work on labs. Lectures are online, there will be some lecture done during the time we meet on campus. During the online hours students will be reading chapter material, taking quizzes and working on assignments.

**Units:** 3 Credit units

**Perquisite:** CISN 340 (CISCO Networking Academy (CCNA)tm: Data Communication and Networking) with a grade of "C" or better

**General Education:** AA/AS Area II(b)

**Course Description** This course covers networking theory and routing technologies, including OSI Model, beginning router configurations, and routed and routing protocols. This is the second course in preparation for CISCO CCNA certification examination. It continues and expands the study of binary, decimal, and hexadecimal numbering systems.
to change variable length sub-net mass. SCC is a certified CISCO Networking Academy, and all courses are taught by CISCO Certified Academy Instructors (CCAI).

Learning Outcomes:
- demonstrate knowledge of the underlying technologies utilized in modern networking.
- utilize various protocols across an Internet composed of different topologies.
- share devices and information on a network.
- perform calculations to combine network numbering blocks to develop a functional super networking address system.

What you need to take this course:

1. **Required Text:** The textbook is on the Cisco Academy website, which is free to students.

You must have **access to a computer** with Internet access. The course materials and quizzes are only accessible online by logging in to [http://cisco.netacad.net](http://cisco.netacad.net) – using your student Cisco identification information that you will receive from your instructor. The Cisco Networking Academy website also has a grade book showing the scores you have for each item. If you do not own a computer with Internet access, the computer labs on campus will be open during this semester. Here is a link to the SCC Computer lab that shows times, and days it is available: [http://busdiv.scc.losrios.edu/stre_lab.html](http://busdiv.scc.losrios.edu/stre_lab.html) CIS tutoring and assistance in computer-related topics is available to Business Division students on a first-come, first-served basis in B151. Tutoring subjects and tutor availability are posted in the lab and on the web site: [http://busdiv.scc.losrios.edu/stre_lab.html](http://busdiv.scc.losrios.edu/stre_lab.html).

1. **Moodle:** In this course a course management tool called Moodle will also be available. This course does not use D2L. The [http://moodle.losrios.edu](http://moodle.losrios.edu) web site will be where you can have access to study guides, and other material that I will post which will help you in the class, and preparation for the CCNA certification, you will also download and upload assignments. This website uses a weekly format to make it simple to see what readings, and assignments are due. I will also send out email announcements from this website, these will also be posted in the News Forum at the top right-side of the website.

2. **You must have a working LosRios gmail account.** All communication will be done through LosRios gmail. Please note:

- all e-mail messages must include the subject **CISN 341** and **your full name** typed in the message, or the e-mail may be ignored. **Example: CISN 341 Jill Jones.**

- **You must check your e-mail account regularly throughout the course,** I recommend checking your email a minimum of four times each week. Official announcements will be made by e-mail or in the news forum on the course web site at [http://www.someprofs.org/moodle](http://www.someprofs.org/moodle)

**Additional Materials:** USB thumb drive, a 1GB drive will work to save configurations.

**Course survey:** to check current student understanding of learning outcomes. The same survey will be given at the beginning and end of the course to determine if students have increased their knowledge. Most students will have
little knowledge of these in the beginning, this is normal. These are mandatory and a final grade will not be given unless these are taken. There are not many questions.

**Attendance:** is essential to your success in this course. As this is a short-term course, we move quickly from one topic to the next. There are some exceptions given in extenuating circumstances. Class sessions are devoted to instruction of new material and review of previous topics. You are responsible for material covered in lectures, assignments, handouts, classroom activities and any changes in assignments. You are expected to take notes in class. You are responsible for all material and instruction missed due to absences. You will need to get any missed material from another student in class. Homework assignments are listed in the attached class outline. Students may be dropped for excessive absences, please see Class drop policy below.

**Labs:** Labs will be done using Packet Tracer which is a free application downloaded from the Cisco Academy website. Students may also do the labs in class on the equipment if they choose, just let me know and I will arrange it.

**Progressive Attendance log:** This will be filled out by students as to the amount of time they are spending outside of class to do assignments. It will not take much time to fill out, and is mandatory that it is turned in for students to receive a grade in the class. It’s easiest to put in hours for each week, but you can also put in each day you are working on class in this log.

**Due Date Policy for Assignments and Exams:** All homework, labs, quizzes and exams are due on or before their due date. Assignments turned in late for any reason will not be accepted for credit and will receive a grade of zero. This is in fairness to the students who work hard to get their assignments in on time.

**Skills Exam the** Skills Exam is a required mandatory group assignment.

**Final Exam:** There will be a comprehensive final exam for this class. This exam will include all material covered in the class. There will be a comprehensive review for the final

**Student Code of Conduct**

**Academic Honesty Policy:** Academic honesty is expected. Students are required to do their own work. If cheating or plagiarism occurs, a grade of zero will be assigned for the assignment or exam. The matter will be referred to the Business Division Dean and the Campus Discipline Officer for appropriate action which could include, but may not be limited to, failing the class or even being expelled from school, depending on the severity and/or number of times an issue of academic dishonesty has arisen during a student’s coursework.

**Examples, of cheating are given below. Please refer to the Student Code of Conduct in the Sacramento City College Student Guide for additional examples and information. Academic Honesty includes, but is not limited to:**

- Obtaining answers from another student during an exam (in any form and with or without his/her knowledge).
- Providing answers to another student during an exam (in any form).
- Using material during an exam that is not allowed.
- Copying of quiz or exam questions.
- Copying of Cisco Copyrighted materials
- Not securing assignment information where another student has access to it.
- Plagiarism
- Copying – transmitting or receiving answers from others.
- Duplicate printing of assignments in any form (electronic, E-mail, paper, etc.).
• Having or using notes, formulas or other information in a programmable calculator or other electronic device without explicit teacher review and permission.
• Having or using a communication device such as a cell phone, pager, PDA or electronic translator to send or receive information.
• Taking an exam for another student, or permitting someone else to take a test for you.
• Asking another to give you improper assistance, including offering money, favors or other benefits.
• Asking for or accepting money or any other benefit in return for giving another improper assistance.
• Providing or receiving information about all or part of an exam, including answers (e.g., telling someone in a subsequent period what was on your exam, or being told this information).
• Working together on a take-home exam, unless specifically authorized by the teacher.
• Gaining or providing unauthorized access to examination materials.

Student Conduct:

1. Netiquette refers to the protocol to be followed when communicating with others on the Internet. In this course, this protocol applies to any course communication.

2. Be aware your professor has access to all activities that occur within Moodle.

3. The Student Code of Conduct must be followed by all students, for more information click on this link https://file.scc.losrios.edu/insidescc/StudentServices/Crisis%20Intervention/Student_Standard_of_Conduct_Brochure.pdf. At the professor’s discretion, failure to engage in respectful and academically appropriate behavior may result in you being denied access to the course website, and (i.e., the equivalent of being asked to leave the classroom in an on-campus course).

Additional Standards of Conduct: Computer Lab rules apply in class. Students shall comply with the following standards of conduct while in the Classroom and Labs:

• No food or drinks are allowed at desks. All eating or drinking must be done outside the classroom and labs.
• No talking or printing while the instructor is lecturing or communicating lab instructions. Please be courteous to your fellow students and allow them to concentrate on the material being presented.
• Students are expected to conduct themselves in a courteous and respectful manner at all times when communicating with other students, the Instructor or lab personnel.
• Cell phones are to be turned off in class and put away.
• No video or audio recording may be done in class without a disability accommodation.
• Students may not download or install any software without the Instructor’s permission or they may be asked to leave the class.
• Students should not be using headphones while in class.
• Please be attentive during lectures and while receiving instructions in lab.

Any flagrant violations of any of these standards of conduct will result in the student being recommended to the Division Dean and/or the Campus Disciplinary Officer.

Class Drop Policy: In the event, a student decides to drop the class it is the student’s responsibility to notify and complete all the necessary documentation with the admissions and records office. “Students are expected to attend all sessions of classes in which they are enrolled. A student having excessive absences may be dropped from any course
by the instructor any time during the semester. Excessive absences are defined as 6% of the total hours of class time.” (See the catalog for additional information). Generally this means three missed classes but also includes participation/attendance by doing the online course assignments. (See the catalog for additional information) excessive absences. DO NOT assume that the instructor will automatically drop you off the class roster if you stop attending -- it is the student's sole responsibility to officially drop classes. Please remember to drop the class by the proper date to receive a ‘W’ in the class instead of an ‘F’.

**Learning Accommodations:** If you are a student with a learning disability, a physical disability, or other special needs, please let me know as soon as possible if you need special accommodations. These discussions are best handled during my office hours or by appointment. All needs which have been verified through the disability centers on campus will be accommodated.

**How to reach me:** There are office hours listed at the top of this syllabus. Regarding email, remember to put CISN 341 and your full name in the subject line of your email so that I can identify it as pertaining to the course, otherwise the email may be ignored. I will check my email Monday – Friday a few times between the hours of 9:00am – 4:00pm, excluding holidays. Every effort is made to reply to students' questions via E-mail as promptly as possible, and within 2 business days. *Since generally I will not be checking my email after 4:00pm on Fridays.* It is therefore very important that you start your homework and lab assignments early, to allow time for a response from me if you have problems or questions. **I recommend starting your assignments early, so that you will have time to ask questions.** Please use the LosRios email system to contact me during the online office hour. Response time during the online office hour can be 30 minutes, but is subject to student need, volume of email, and depth of questions. Please remember this would be the same as a face to face office hour. This means I may not be able to answer all student questions during my online office hour, but will respond to them as promptly as possible within two business days. Please remember that I can help by answering questions, but students should not email assignments requesting me to troubleshoot the answers. This would mean that I am doing the student’s assignment.

**Changes to Syllabus:** As necessary, I may make changes to this syllabus to improve the class. I will inform the class of any changes.

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<th>Requirement</th>
<th>Percent of Grade</th>
<th>Comments</th>
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<tr>
<td>Assignments</td>
<td>25 %</td>
<td>Lab data and details</td>
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<tr>
<td>Online Chapter Exams</td>
<td>30 %</td>
<td>Using the Cisco Academy website.</td>
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