

CASPER COLLEGE COURSE SYLLABUS
CSCO 2000-01: Beginning Internetworking

Semester/Year: Fall, 2015

Lecture Hours: 3

Lab Hours: 0

Credit Hours: 3

Class Time: 5:30 pm – 6:45 pm

Days: M, W

Room: GW: 207

Instructor's Name: Kevin J. McDermott

**Instructor's Contact
Information:**

**Office: PS 212
Office Phone: 268-2704**

Email:
kmcdermott@caspercollege.edu

OFFICE HOURS: Monday: 12:00 pm – 1:00 pm & 5:00 pm – 5:30 pm
Tuesday: 12:00 pm – 1:00 am & 5:00 pm – 6:00 pm
Wednesday: 12:00 pm – 1:00 pm & 5:00 pm – 5:30 pm
Thursday: 12:00 pm – 1:00 pm
Friday: 10:00 am – 12:00 pm by appointment only

Course Description: This class focuses solely on internetworking fundamentals and is not specific to Cisco products or technologies. Student learning will include an understanding of the OSI internetworking model, internetworking components, premises wiring, industry standards, networking topologies and designs, and professional practices. Project learning experiences include designing campus networks and the installation of network premises cabling. Successful completion of this course can lead to Network + certification.

Statement of Prerequisites: None.

Goal: With appropriate study and preparation students will be able to list and describe the responsibilities of a network administrator, describe the hardware and software essential to network connectivity, use binary notation, practice IP addressing, and understand the functions and technologies associated with the OSI networking model.

Outcomes: Thoroughly understand the purpose and contents of the OSI and TCP/IP networking models; be able to explain clearly how networks are constructed, both individually (LANs and WANs) and as internetworks; list and explain the protocols and devices used to create common interworks; address networks at both the LAN and Internet levels; and explain the role of encapsulation in networking and demonstrate multiple cases of its use.

Methodology: This course employs a combination of lectures, demonstrations, discussions and hands-on labs. You are expected to **thoroughly read** the corresponding chapter in the text **before the lectures**. Quizzes and tests are comprehensive and include multiple question formats. Make-up tests may be permitted with prior arrangement with the instructor but may be denied at the discretion of the instructor for such things as poor homework or attendance record.

My best suggestions for succeeding in this class are:

1. Attend class.
2. Read the chapter BEFORE class
3. Complete the homework.
4. Ask questions

Evaluation Criteria: Your final grade in the course will be based on the following:

Homework – 15%, Quizzes (best 4 of 5) – 20%, 2 Midterm Exams – 40% (20% each), Final Exam – 25%.

A: 90% - 100%

B: 80% - 89%

C: 70% - 79%

D: 60% - 69%

F: less 60%

Please let me know **ahead of time** if you are unable to make it to class for an exam. These need to be made up **before** the test date or at the latest before the next class period.

Required Text, Readings, and Materials: CompTIA Network +: Deluxe Study Guide (3rd Ed.), by Todd Lammler.

Last Date to Change to Audit Status or to Withdraw with a W Grade: The last date to withdraw or switch to audit is Thursday, November, 12, 2015.

Student Rights and Responsibilities: Please refer to the Casper College Student Conduct and Judicial Code for information concerning your rights and responsibilities as a Casper College Student.

Chain of Command: If you have any problems with this class, you should first contact the instructor to attempt to solve the problem. If you are not satisfied with the solution offered by the instructor, you should then take the matter through the appropriate chain of command starting with the Department Head – Robbie Marvel, the Dean – Leslie Travers, and lastly the Vice President for Academic Affairs – Sean Powell.

Academic Dishonesty: (Cheating & Plagiarism) Casper College demands intellectual honesty. Proven plagiarism or any form of dishonesty associated with the academic process can result in the offender failing the course in which the offense was committed or expulsion from school. See the Casper College Student Code of Conduct for more information on this topic.

Official Means of Communication: Casper College faculty and staff will employ the student's assigned Casper College email account as a primary method of communication. Students are responsible to check their account regularly.

ADA Accommodations Policy: If you need academic accommodations because of a disability, please inform me as soon as possible. See me privately after class, or during my office hours. To request academic accommodations, students must first consult with the college's Disability Services Counselor located in the Gateway Building, Room 344, (307) 268-2557, bheuer@caspercollege.edu.

The Disability Services Counselor is responsible for reviewing documentation provided by students requesting accommodations, determining eligibility for accommodations, and helping students request and use appropriate accommodations.

Tentative Schedule:

Week 1	Chapters 1 & 2
Week 2	Chapters 2 & 3
Week 3	Chapters 4 & 5
Week 4	Chapter 5; Exam Review #1
Week 5	Exam #1; Chapter 6
Week 6	Chapters 6 & 7
Week 7	Chapters 7 & 8
Week 8	Chapters 8 & 9
Week 9	Chapters 9 & 10
Week 10	Chapter 11; Exam Review #2
Week 11	Exam #2; Chapter 12
Week 12	Chapters 13 & 14
Week 13	Chapters 15 & 16
Week 14	Chapters 17 - 20
Week 15	Review for Final Exam
Week 16	Final Exam