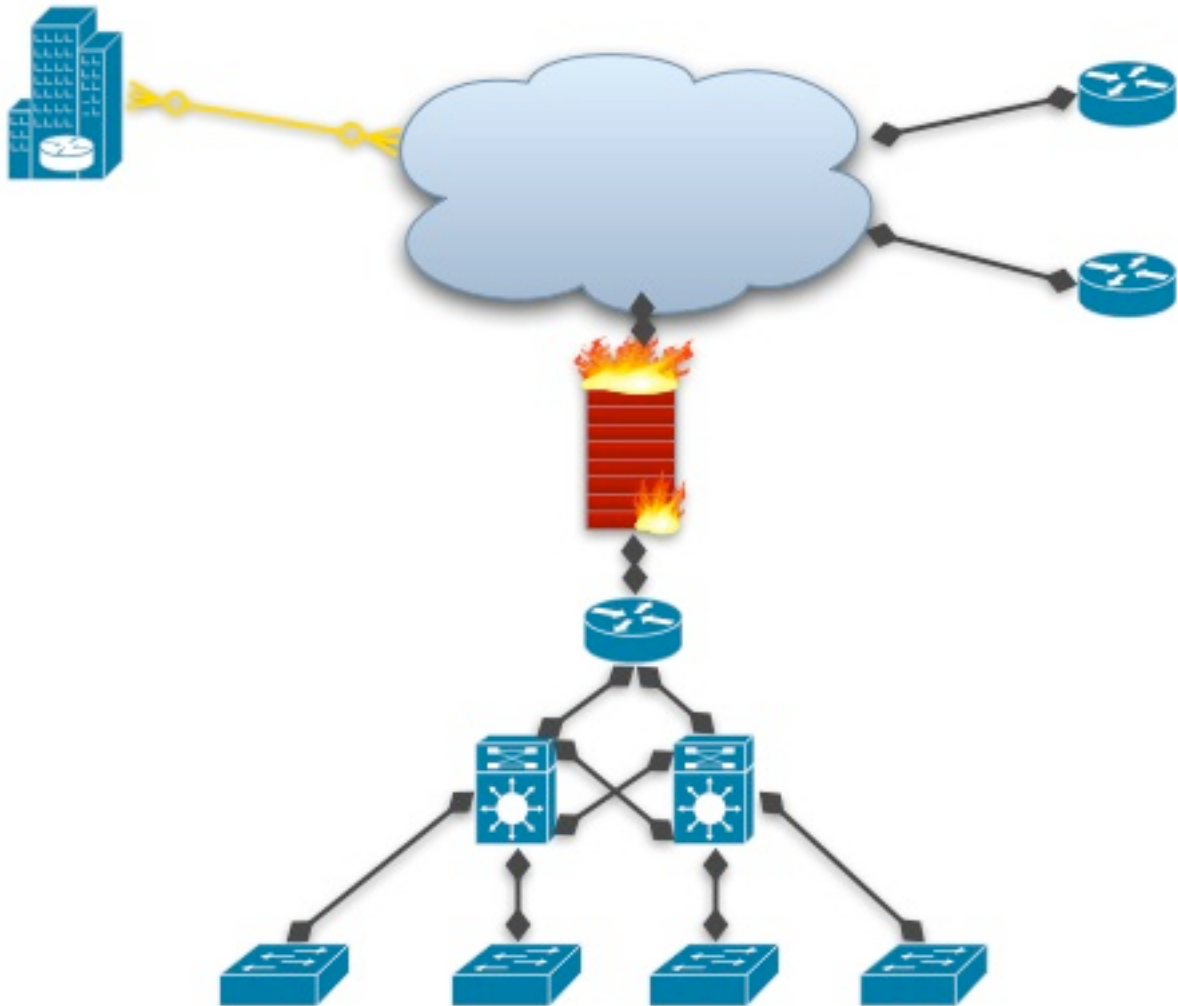


# Salt Lake Community College Telecommunication Technology Department



## TELE/CS 2461 Network Routing and Switching

**TELE / CS 2461**  
**Network Routing and Switching I**  
**Fall Semester 2007**

**Instructor:** Dan Hutchings

**Office:** SI211

**Phone:** 801.957.4919 (Please email me instead)

**eMail:** dan.hutchings@slcc.edu

**Office Hours:** Thursday 2:00-3:00pm, or by appointment

**SLCC is committed to fostering and assessing the following student learning outcomes in its programs and courses:**

- Acquiring substantive knowledge in the field of their choice
- Developing quantitative literacies
- Developing the knowledge and skills to be civically engaged
- Thinking critically
- Communicating effectively

**Prerequisite:** Students should be able to effectively identify major computer hardware components, and effectively use an operating system.

**Course Website:** The website for this course can be found at <http://coursedocs.slcc.edu/tele/dhutchings/2461/>. This is the first place students should look for schedule updates, assignment due dates, etc.

**Course Description:** This course is designed to prepare students to take the CCENT, or partially prepare them to take the CCNA exam.

**Course Objectives:** At the end of the course, students will be able to:

1. Subnet and Supernet networks;
2. Identify collision and broadcast domain;
3. Identify and work with networking media;
4. Categorize network traffic and route it to a specific destination;
5. Design Ethernet systems;
6. Identify and design both physical and logical topologies;
7. Route network traffic in both LANs and WANs.
8. Demonstrate effective troubleshooting techniques using the OSI model.
9. Construct and apply access list filters

**Text:** There is NO required textbook for this class.

**POLICIES AND PROCEDURES:**

1. The course schedule will be followed as closely as possible. However, some modifications may be necessary.
2. Attendance is expected. You will be accountable for all information you miss due to your absence.
3. The coursework for this class consists of daily quizzes, in-class labs, and online tests.
4. Grades will be awarded as follows:

**Scale:**

A 93 - 100 %	C 73 - 76.9 %
A- 90 - 92.9 %	C- 70 - 72.9 %
B+ 87 - 89.9 %	D+ 67 - 69.9 %
B 83 - 86.9 %	D 63 - 66.9 %
B- 80 - 82.9 %	D- 60 - 62.9 %
C+ 77 - 79.9 %	E 0 - 59.9 %

Grades will be awarded as follows:

- Labs: 25%
- Semester chapter tests: 50%
- Semester Exams: 25%

**Students who successfully pass either the CCNA exam or the CCENT exam before the completion of class will receive an A for the class.**

5. Students may withdraw from the course through **10/26/2007**. No withdrawals will be allowed after that date. (Other important dates can be found at <http://www.slcc.edu/academiccalendar/#f07>)
6. Each student is responsible for his/her own behavior. Any student who shows a pattern of disrespect for others, or who at any time displays egregious disrespect for others, will be subject to penalties as per the student code of conduct. (Student code of conduct may be found at <http://www.slcc.edu/policies/docs/stdtcode.pdf>)

**Certification Testing:** Upon successful completion of the class, students are strongly encouraged to take the CCENT certification, or complete tele/cs 2462 and take the CCNA exam. The cost for either exam is \$125.00.

**Course Materials:** Students who have their own laptop are encouraged to use it. Students intending to use their laptop will need either a serial port on the laptop or a USB to Serial converter.

**Accommodations:** Students with disabilities needing accommodations such as: accommodated testing, interpreting, note-taking, taped textbooks, support technology, equipment, accessibility arrangements, etc., must contact the Disability Resource Center (Redwood College Center - STC 244 or South City Campus - Room W138), 957-4659 (voice), 957-4646 (TTY), 957-4947 (FAX).