

Introduction to Computer Networks

CIS-50-75923

Fall 2013

INSTRUCTOR: Steve Siedschlag, Phone (909) 652-6855 - Office BE-125 - Email: steve.siedschlag@chaffey.edu Web Site: <http://www.2profs.net>
OFFICE HOURS: Room BE-125: Monday 12-1pm, Wednesday 1:30-2:30pm & 6-7PM; INET-M: Th 10am-12pm.
At other times, email will usually get the quickest response
TEXT: LabSim online training/simulator from TestOut. Purchase online per the instructions below:

Go to www.labsimonline.com, enter **14-232TA** in the "Enter Promotion Code" box on the bottom right corner of the home page and press enter. You will then be brought to an order form where you will need to choose the title needed for class.

N10-005 TestOut Network Pro \$89

Make sure that the price says \$89 (NOT \$495) and click 'Add to Cart'. Once in the shopping cart, you will need to fill out a few fields to progress. The school name must match exactly how it is in LabSim; which is "**Chaffey College**". Also my name (Steve Siedschlag) must be included as the Teacher, although it doesn't matter as much how this is typed in.

After you have successfully added the school and instructor name, continue the order process as usual and pay for the course material. During the checkout process the default is set so that you will receive immediate online access, an email will be provided as soon as your order has been finalized with download instructions.

You **MUST** have purchased LabSim and be enrolled in my class by 8/27 or you will be dropped from the course.

<u>Start Date</u>	<u>End Date</u>	<u>Last Date to Add</u>	<u>Drop Grade Required</u>	<u>Drop Deadline</u>
<u>08/14/13</u>	<u>12/18/13</u>	<u>08/20/13</u>	<u>09/04/13</u>	<u>10/29/13</u>

Course Description and Objectives:

Upon completion of the course, the student will have a basic understanding of networking terminology and theory, including Network Operating Systems, the OSI model, and protocols. This course addresses the objectives for CompTIA's Network+ certification. You will learn to:

1. Install and configure network hardware
2. Identify common errors associated with networking components
3. Diagnose and resolve problems with network cards, cables, etc.
4. Resolve broadcast storms and other network incidents
5. Identify network performance and connectivity problems
6. Describe the features and function of network devices such as routers, bridges, switches.

The course will include a combination of lecture, in-class projects (individually and in small groups) and homework

Student Learning Outcomes (we use these specific objectives to measure our success in teaching CIS50)

Upon the completion of CIS 50 (grade C or higher), students will be able to:

Identify the components of a computer network.

Criteria for Success:

A grade of 75% or more on Training and Assessment tool labs and quizzes which map to CompTIA domains 2.1 through 2.6.

Discuss the roles and responsibilities of a network administrator.

Criteria for Success:

A grade of 75% or more on Training and Assessment tool labs and quizzes which map to CompTIA domain 4.1 through 4.6.

Student Responsibilities

- 1.) Class participation and in-class projects will be a significant part of your grade so you should try to attend each class meeting.
- 2.) Any homework assigned must be completed and is due at the beginning of the class meeting. (Within the first 15 minutes) Late work will not be accepted. No exceptions. If you are going to miss class for some reason, have another student hand in your assignment or get it to the instructor ahead of time.
- 3.) The teacher may (but is not required to) withdraw a student who has poor attendance. **It is the student's responsibility to withdraw if he/she decides not to, or is unable to continue in the class. Failure to do so may result in a failing grade.**
- 4.) Unless otherwise stated, assignments are to be worked on individually by each student. Collaboration will result in **no** credit for all participating parties. Refer to the **Standards of Conduct** in the Student Handbook for more information.

GRADING

LATE WORK WILL NOT BE ACCEPTED!!

All assignments, except for hands-on labs and OSI Project, will be completed within LabSim. One week after the completion of each section in LabSim, I will transfer your scores to Moodle, after which time no further submissions will be accepted and no grade changes will be made. At the end of the semester, the final grade transfer will take place and together with your grades on the Firewall and WiFi Labs and the OSI project will be averaged to arrive at your final semester grade:

- A - 90% and above
- B - 89-80%
- C - 70-79%
- D - 60-69%
- F - below 60%

USING CHAFFEY'S COMPUTER LABS

You will be required to have a CURRENT Chaffey Student ID card. This card will be used in a scanner in the computer lab to "check" you into the lab. Without the ID card - you will NOT be allowed access to the Lab. You will NOT be required to register for a special Lab class. More information will be announced about lab use as it becomes available to the professor. Watch the Announcements.

STATEMENT ON PLAGIARISM

Plagiarism, an unlawful act which is defined as the misrepresentation of the published ideas or words of another as one's own, will not be tolerated in Chaffey College courses. At the discretion of the professor, plagiarism may result in zero points for the assignment and/or failing the course.

STUDENT SUCCESS CENTERS

In the last few years, Chaffey College has created Student Success Centers, which offer tutorials, workshops, study groups, and computer access to assist students in their academic development and success.

DISABILITY PROGRAMS AND SERVICES

If you have a disability documented by a physician or other appropriate professional and wish to discuss academic accommodations, please contact the DPS office at (909) 652-6379. Please be sure to allow adequate time to arrange for an appropriate accommodation.

EOPS AND CARE

Extended Opportunity Programs and Services (EOPS) is designed to ensure student retention and success through academic support and financial assistance for eligible students. Cooperative Agencies Resources for Education (CARE) is a program that serves a limited number of EOPS students who are single heads of households. It provides additional support services beyond those available through EOPS. The ultimate goal is completion of a certificate program, an associate degree, and/or transfer to a four-year college. Call (909) 652-6345 for information.

Introduction to Computer Networks CIS-50-75923 Fall 2013

Week	Date	Subject	In-class Project(s)
1	20-Aug	Course Syllabus & Module 0 – Intro	
2	27-Aug	Module 1 – Networking Basics	Deadline for LabSim Reg.
3	3-Sep	“	
4	10-Sep	Module 2 – Cables and Connectors	
5	17-Sep	“	
6	24-Sep	“	Building a Crossover Cable
7	1-Oct	Module 3 – Networking Devices	
8	8-Oct	“	Router Lab
9	15-Oct	Module 4 – Ethernet	Ethernet Frame Lab
10	22-Oct	Module 5– Network Implementation	
11	29-Oct	“	Take Home MIDTERM
12	5-Nov	“	
13	12-Nov	Module 6 – Wireless Networking	
14	19-Nov	“	Wireless Lab
15	26-Nov	Module 7 – Wide Area Networks (WANs)	
16	3-Dec	“	OSI Chart
17	10-Dec	Module 8 – Network Security	
18	17-Dec	FINAL	