
SYLLABUS

CNIT 120 Network Security

Course Description

Knowledge and skills- to recognize security vulnerabilities, implement security measures, analyze network environments for known security threats or risks, defend against attacks or viruses, ensure data privacy and integrity. Terminology and procedures for implementation and configuration of security: access control, authorization, encryption, packet filters, firewalls and Virtual Private Networks (VPNs).

Prerequisites/Co-requisites

None

Instructor Information

Richard Wu

E-mail: rwu@ccsf.edu

Phone: (415) 239-3594

Office Hours: Monday (12:30 pm to 2 pm), Wednesday (12:30 pm to 2 pm) or by appointment only

Textbook(s)

- Mark Ciampa, (2014). *CompTIA Security+: Guide to Network Security Fundamentals* (5th ed.). Course Technology.
ISBN-10: 1-305-09391-7/ ISBN-13: 978-1-305-09391-1

Learning Outcomes

Upon completion of this course, a student will be able to:

- Assess areas of security concern, recognize security risks and compare internal and external threats to data and services.
- Compare and contrast the different methods for securing shared resources.
- Evaluate various anti-virus software programs, and compare to software and hardware firewalls.
- Classify types of firewalls, including Network Address Translation (NAT).
- Choose appropriate wireless security procedures to address risks.
- Develop a viable plan for disaster recovery including backed up data.

Course Requirements

- Labs NetLab+ Labs will be issued
- Exams Six in-class exams based on textbook and lecture notes.
- Final Exam Monday May 14, the last class meeting.
- Participation Participation in classroom is required
- Extra Credit Extra credit assignments will be available during the semester



Grading Policy:

6 Exams	25%
Final Exam	15%
Labs	50%
Participation	10%
TOTAL	100%

Mid-term and final letter grades determined:

A = 90% - 100%
B = 80% - 89%
C = 70% - 79%
D = 60% - 69%
F = Below 60%

Important Dates

Monday January 29: Last day to drop class

Friday February 2: Last day to add classes

Wednesday February 7: Last day to drop without notation on student's record.

Thursday February 15: Last day to request a Pass/No Pass (P/NP) grading option

Thursday April 12: Last day for Student-Instructor initiated Withdrawal or file a petition for a Leave of Absence

CCSF Policy Reminders

CCSF College policies can be found in the CCSF Academic Catalog. Please review the reminders below and, if needed, refer to the Academic Catalog for complete policy details.

Attendance and Dropping

- Attendance is required and counted toward your In-class Participation grade. Three (3) unexcused absences may cause a "W" or "F" grade. No make up tests will be allowed.
- Otherwise, it is the student's responsibility to drop or withdraw from class. Be sure to pay attention to the college deadlines regarding drops. If you don't drop but stop participating and do not complete assignments, you will receive a failing grade at the end of the semester.
- If you have difficulties in this class, such as time management or technology issues, before deciding to drop, I want to encourage you to contact me at rwu@ccsf.edu or the CNIT Department Chair Richard Taha at rtaha@ccsf.edu. We may be able to help you resolve these concerns to help you succeed in the course.

Policies on Copyright while using CCSF facilities

CCSF Guidelines for lab use: Software in use in the lab and printed resource materials are copyrighted with all rights reserved except when explicitly described as public domain. Under copyright laws, these items may not be copied, photo-copied, reproduced or reduced to any electronic medium, in whole or in part. Any violation or attempt to violate copyright laws may result in disciplinary action.

Instructor's Classroom Policies

Hacking

No student may intentionally, either locally or remotely, access the computer used by any other student without that student's or the instructor's permission. Any student violating this rule will be withdrawn from the course. There will be NO exceptions to this rule.

Participation

Participation grades are based on a variety of assessments including review questions, oral or written participation quizzes, professional behavior, and other events at the instructor's discretion. Participation grades are posted weekly.

Course Schedule

The course schedule is handed out the first day of the course. This is a flexible document. Students should expect the schedule to be modified during the course depending upon the progress we make in individual modules and are responsible for being aware of the course schedule in its most current form. Students will be notified of any changes to the course schedule.

Textbook

Be sure to check the course schedule for exact pages required and dates by which the reading is due. Each student is expected to read the assigned chapters BEFORE the day(s) in which the chapter's topic will be discussed in class. Students are responsible for all information covered in the assigned reading and should take note that the limited classroom time for lectures makes it impossible for the instructor to cover in class every concept covered in the assigned reading.

Phones

If you have a cell phone please set it to ring silently. If you need to use the phone during class please take it out to the hallway.

Focus

Please be prepared to focus on class material during class sessions. Computers may not be used for non-course activities during class.

Food/Drinks

No food or drink is permitted in the computer lab at any time.

Late Assignments

To get full credit for an assignment, it must be turned in by the due date. Partial credit may be given for late assignments at the discretion of the instructor. Absolutely no homework will be accepted after the date of the final exam, Monday, May 14, 2018.

Missed Tests

Final Exam: The final exam is Monday, May 14, 2018, from 11:10 AM – 12:25 PM. If you have a conflict with this time, please see the instructor right away.

Academic Integrity

True learning can take place only when students do their own work honestly, without copying from other students or other sources. CCSF enforces the highest standards of academic integrity, both to preserve the value of the education offered and to prepare students to become productive members of the workforce and society. At Heald, it is considered a breach of academic honesty for students to employ any form of deception in the completion of academic work, including but not limited to:

- copying work, ideas, or projects from any other person or media
- allowing another person to copy or borrow original work in any form
- allowing another person to copy answers on a quiz or test or to communicate with another person during a quiz or a test
- representing the work of another team member as one's own
- stopping or delaying another student in the completion of any work
- plagiarism in any form, including failing to give credit to the source of thoughts, words, ideas, or work from any other person, printed material, or website

When a violation of this policy occurs, disciplinary action will be taken. Subject to the severity of the violation or repeated/multiple occurrences, academic dishonesty may result in an "F" grade for an assignment, project, assessment, or the course itself, or may result in dismissal from the College. All violations of the Academic Integrity Policy are documented and made a permanent part of a student's record. Further information is available from the Academic Affairs Department.

Classroom Standards

The classroom should provide an environment that helps people learn. There are some activities that promote learning and others that hinder learning. Address all questions to the class as a whole; do not have side-conversations with your neighbor during class. Although you may think you are speaking softly, this behavior is rude and disruptive to others. Absolutely no food or drinks permitted near the computers.

DSPS

Students who need academic accommodations should request them from the Disabled Students Programs and Services (DSPS) located in the Rosenberg Library, Room 323 on the Ocean Campus. Telephone: 415-452-5481 (V) 415-452-5451 (TDD). DSPS is the campus office responsible for verifying disability-related need for academic accommodations,



assessing that need, and for planning accommodations in cooperation with students and instructors as needed and consistent with course requirements.

Changes to the Syllabus

This syllabus is subject to change throughout the semester due to emergent student needs, important new learning opportunities, or other unforeseen situations. In the event a change must be made, the instructor will notify the students as soon as practically possible, and provide an updated syllabus on the course website.