
NETWORK SECURITY

CIS 56 (CRN: 22328)
FALL 2014

COURSE DESCRIPTION

Provides broad-based knowledge and hands-on experience with network security. Security topics include access control, cryptography, policies, physical, network, application, data defenses, auditing and security protocols. Also, course can help prepare students to pass the CompTIA Security+ Certification exam.

PREREQUISITE SKILLS

Advisory: Computer Information Systems 108.

INSTRUCTOR INFORMATION: JAMES CARR

Office Hours Held: Monday
Office hours: 5:30-6:30
Office Location: At 203 or AT 203b
E-mail address: carrjames@fhda.edu
Websites: moodle.jblcourses.com

ATTENDANCE POLICY

Students are required to attend all class meetings every **Monday and Wednesday, 3:30-5:20PM** in **AT 205**. See drop policy below.

DROP POLICY

1. Students who want to be dropped from the class **MUST** take the initiative to follow the De Anza College drop procedures. Drop calendar deadlines can be found at <https://www.deanza.edu/calendar>. Do not assume you will be automatically dropped from this course. If you intend to drop the course, you must drop yourself!
2. Drop Deadline
 - a. By **WEDNESDAY** OF THE FIRST WEEK OF THE COURSE you must purchase and log into Jones and Bartlett site.
 - b. Successfully complete **ALL** the Week 1 **ASSIGNMENTS** in Jones & Bartlett Moodle.

OBJECTIVES

Upon completion of this course, you will be able to use a personal computer and understand the following personal computer objectives.

- A. Explore network security issues
- B. Investigate access control and identity management
- C. Utilize cryptography
- D. Investigate policies, procedures, and awareness
- E. Identify physical security
- F. Explore perimeter defenses
- G. Explore network defenses
- H. Explore host defenses
- I. Identify application defenses
- J. Identify data defenses
- K. Explore security assessments and audits

STUDENT LEARNING OUTCOMES FOR THIS COURSE:

Determine methods to protect network against security vulnerabilities.

REQUIRED COURSE MATERIALS

1. There are **two purchase options** for your Jones and Bartlett course materials (You can purchase online or in the bookstore). ***Do not purchase these materials below from any other source because they will not include the lab code access.***
 - a. **Online Option**
 - i. Go to www.shopJBLearning.com and enter ISBN 9781284074468 (Fundamentals of Information Systems Security, second edition) and complete your purchase. In the first class meeting, your instructor will provide you with the free code for the e-book that is required for this course. This is the **least** expensive option but may take more time to process.
 - b. **Bookstore option**
 - i. Purchase your Jones and Bartlett access code in the bookstore - ISBN 9781284074413 (Fundamentals of Information Systems Security, second edition). In the first class meeting, your instructor will provide you with the free code for the e-book that is required for this course. This is the **most** expensive option but will give you the quickest access. This option is recommended by your instructor.
2. After completing one of the purchase options above, you will need to access www.jblcourses.com then click on “**Redeem an Access Code**”. You must enter the Lab Access Code (purchased in Step 1 above) and the Course Code as shown below:

Lab Access Code

Step 1: Obtain a lab access code. Check with your instructor to determine where to find your code.

Step 2: Type in your lab access code. Sample code: 98508635

Step 3: Type in your course code. Sample code: 7462

Step 4: Click the Submit button.

Purchase code online
or bookstore

Lab access code:

Course code:

You MUST use this
code for our course

3. **High speed internet connection** (not dial up) required IF you work at home.

GETTING STARTED IN YOUR COURSE

- a. After you have purchased your course materials as described above, follow the getting started instructions at this link: windows.deanza.edu/gettingstarted.pdf

REQUIRED COMPUTER COMPONENTS AND AVAILABILITY

Hardware Requirements: A PC computer is required to run the Jones and Bartlett software. If you do not own a PC, you may use our AT 203 lab computers.

Software: The only software required for this class in the Jones and Bartlett software using an up-to-date browser as will be discussed in class.

Computers in CIS Lab:

If you need help with your course, you can use our CIS lab computers. For CIS computer lab hours access <http://www.deanza.edu/buscs/lab/hours.html>

SUBMITTING WEEKLY LAB ASSIGNMENTS

This course uses a Moodle website called Jones and Bartlett (moodle.jblcourses.com). All course information including assignments, homework, course deadlines, etc. will be available to you on-line in your Jones and Bartlett course Moodle web site. When you enter your Jones and Bartlett on-line course, you will see a list of assignments that you will complete. The actual course schedule and due dates for exams and assignments are subject to change.

HOMEWORK ASSIGNMENTS

Homework assignments will include answering multiple choice and true-false quiz questions. Students will have 30 minutes to complete each 20-question quiz. However, quizzes may be retaken an unlimited number of times to improve your score. The highest score will be recorded. No feedback will be given on questions missed during this open book, open notes homework quiz. The final exam will be based on these same homework questions.

FINAL EXAM

The 50-question, multiple choice closed-book, closed-notes Final Exam will be based on the homework questions.

LAB ASSIGNMENTS

The required lab assignments can be found in Moodle are counted towards your grade (see below).

ATTENDANCE/PARTICIPATION

You must attend lectures and participate in class discussions to receive Attendance/Participation credit. (see below).

MOODLE PORTAL

Jones and Bartlett Moodle must be used as the portal for completing all assignments. To post any discussion questions, use moodle.jblcourses.com. The optional online portion of the class is conducted online and I will be available **Mondays from 10:00AM to 11:15AM** to answer questions you may have in Moodle or through email during this time. However, you are not restricted from asking questions only during this time period. Email me anytime.

TESTING/GRADING POLICIES/FINAL GRADES

To pass this course, you must complete ALL labs, homework quizzes plus Final Exam with the minimum scores shown below. Weekly deadlines for each assignment are posted inside the Jones and Bartlett Moodle web site.

Exams Grading Scale:

A	93% - 100%
A-	90%-92%
B+	87%-89%
B	83%-86%
B-	80%-82%
C+	77%-79%
C	70%-76%
D+	67%-69%
D	63%-66%

Final Grade Mix:

The following percentages reflect how the final grade will be determined:

Attendance/Participation	10%
Homework (Quizzes)	30%
Lab Assignments	30%
Final Exam	30%
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Total=	100%

Academic Integrity:

Students who submit work of others as their own or cheat on exams or other assignments will receive a failing grade in the course and will be reported to college authorities.

DISRUPTIVE CLASSROOM BEHAVIOR

Disruptive classroom behavior may include (but is not limited to) the following: talking when it does not relate to the discussion topic, sleeping, reading other material (e.g. newspapers, magazines, textbooks, from other classes), eating or drinking, monopolizing discussion time, refusing to participate in classroom activities, leaving cell phones and pagers on, texting, and engaging in any other activity not related to the classroom activity. Students who engage in disruptive behavior will be approached by the instructor. If the disruptive behavior continues, students may be asked to leave the classroom and/or eventually be dropped from the course.

NOTE TO STUDENTS WITH DISABILITIES

If you have a disability-related need for reasonable academic accommodations or services in this course, provide your instructor with a Test Accommodation Verification Form (also known as a TAV

form) from Disability Support Services (DSS) or the Educational Diagnostic Center (EDC). Students are expected to give five days notice of the need for accommodations. Students with disabilities can obtain a TAV form from their DSS counselor (864-8753 DSS main number) or EDC advisor (864-8839 EDC main number).

TECHNICAL DIFFICULTIES

If you have technical problems with the Jones and Bartlett software on your home computer, please contact Jones and Bartlett Technical Support directly at www.jblcourses.com/techsupport or call 1-866-601-4525 OR complete your course work using our computers in the AT203 CIS lab.