

CISD075A-64Z, Spring 2018

Internet Concepts and TCP/IP Protocols

Instructor: Behrouz Forouzan CRN: 00447 Units: 5.0

1. GENERAL INFORMATION

Course Description

An introduction to the architecture and underlying protocols of the Internet. Layers discussed will include the Internet layer, the transport layer, and the application layer.

Prerequisite

CIS66, EWRT 100B and READ 91 (or LART100), or ESL 4.

Student Learning Outcomes

The course is designed to provide two major student learning outcomes. After taking the course, student must be able to:

1. Define fundamental concepts of TCP/IP architecture and protocols, with emphasis on the network layer, transport layer, and application layer of the suite.
2. Describe the applications of TCP/IP to the Internet

Canvas

Our class will be in Canvas, De Anza's online Course Management System. You can access Canvas at

<https://deanza.instructure.com>

or click on "**Log Into Canvas**" under the student tab in MyPortal.

Log-In

Canvas is a single sign-on application. Use your MyPortal credential to log in.

Help

For help, click Help in Canvas or contact Online Education at

onlineeducation@deanza.edu

Online Education Center

Table 1 gives you the information for contacting Online Education Center:

Table 1 *On-line Information Center*

Office: MLC-210 Phone: (408) 864-8969 Site: http://deanza.edu/online-ed/ Office Hours: Monday to Thursday, 9 AM to 5:00 PM, Friday: 9:00 to 4:00 PM

Instructor

Table 2 gives the information you need to know about your instructor:

Table 2 *Information about your instructor*

Name: Behrouz Forouzan Office Hours: On line (by email) April 09 to June 29 Email: forouzanbehrouz@fhda.edu

Some Important Dates

Table 3 gives you some important dates that needed to be remembered. Please double-check them at the college site.

Table 3 *Some Important Dates*

First day of the Quarter: Monday, April 09
Last day to add (if space available): Saturday, April 21
Last day to drop and receive a refund: Sunday, April 22
Last day to drop with no record of grade: Sunday, April 22
Last day to request a Pass/No Pass grade: Friday, May 04
Last day to drop with a "W" grade: Friday, June 01
Last day of the Fall Quarter: Friday, June 29
Note: Please double check the above dates with the college or administration. Also check the administration for the last day to receive a refund if you are not a resident student.

Online Tutoring Service

De Anza College will provide all registered students with online tutoring service through Smarthinking. Online tutoring will be available in a wide variety of subjects, to

supplement on-campus tutoring that Student Success Center provides. Information is available at

<http://www.deanza.edu/studentssuccess/onlinetutoring.html>

Check the availability of online tutoring for this class at the above site.

2. REQUIREMENTS

The following is the minimum requirements for the course:

1. Make sure you have a valid e-mail address on record with De Anza.
2. Submit questions via email to forouzanbehrouz@fhda.edu from Monday to Friday or post them on Canvas.
3. Do on-line orientation.
4. Obtain the textbook (see Table 4).
5. Do assignments as shown in Section 7.

3. ORIENTATION

Do the orientation on line. The information is given below:

<https://deanza.instructure.com/courses/3382>

4. DROP POLICY

I have to drop those students who did not participate in the course on the census day (announced later). One indication of participation is to do one-line orientation.

After the census day, dropping is your responsibility. If you do not drop yourself, it means that you want to stay in the course. In this case, an appropriate grade will be assigned to you at the end of the quarter.

5. COURSE MATERIALS

The following course materials are required for the course: the textbook and email access.

Textbook

Table 4 show the required textbook for the course. The textbook is available at De Anza Bookstore (and some other ones). It is also available on-line.

Table 4 *Textbook***Book:** *TCP/IP Protocol Suite*, **Fourth Edition****Author:** Behrouz Forouzan**Publisher:** McGraw-Hill, Inc.**ISBN:** 0-07-337604-3

Note: Although the video lessons may mention other versions of the book, the book for this course is the **4th Edition**. Video lessons are only to help to understand some concepts. The course is based on the current version of the book.

E-mail Address

Make sure you have a valid e-mail address on record with De Anza.

6. VIDEOS

The course includes 19 video lessons. The video lessons are companions to the textbook, but there may not be a one-to-one relation between the lessons in the two. There are several options for viewing these videos as described below.

Viewing on Canvas

The video lessons are available on Canvas at

<https://deanza.instructure.com>

Viewing at De Anza

View the videos in the Library West Computer Lab at De Anza College

Checking Out

Check out videos from the Library West Computer Lab to view overnight at home. If you choose this option, please pay attention to the following:

- a. SMART DASB Card required. The Smart Card Office is located in the lower level of Hinson Campus (408-864-5551).
- b. One DVD at a time may be checked out for 48 hours, no renewals.
- c. Return DVDs to the Library West Computer Lab or in the drop box outside of Learning Center West (please report any DVD technical problems).
- d. Late fines: \$0.25/day (maximum fine-\$12.00); replacement/lost DVD charge: \$25.00/DVD.

7. ASSIGNMENTS

The following is the list of assignments for the course:

1. View videos 1 to 19
2. Read chapters 1-21 (inclusive) of the textbook except Chapters 3,13, 17

3. Do the *quizzes* at the publisher site before the due date and time (see instruction posted on Canvas). The result will be submitted to the instructor by the publisher. The points earned will be posted on Canvas.
4. Do the *Homework Assignments* and post them on Canvas before the due date and time. The points earned will be posted on Canvas.
5. Write your opinion about two discussions and post them on Canvas before the due date and time. The points will be posted on Canvas.
6. Take the midterm test and post your answers before the due date and time on Canvas. It will be graded and the result will be posted on Canvas.
7. Take the final test and post your answers before the due date and time on Canvas. It will be graded and the result will be posted on Canvas.

Quizzes and answers to odd-numbered exercises are found at:
<http://www.mhhe.com/engcs/compsci/forouzan/>
Solutions to even-numbered exercises are not available; they are not public

8. TESTS

One midterm test and one final examination will be given during the term.

Midterm Test

Carefully note the information in Table 5 about the midterm.

Table 5 *Midterm test*

Available: Monday, 5/14/2018, after 6 PM on Canvas
Due: Tuesday, 5/15/2018, before 6 PM
Delivery: Post on Canvas
Chapters: First midterm test covers chapters 1 to 10 except 3.
Points: The test is worth 150 points.

Final Test

Carefully read information provided in Table 6 about the final examination.

Table 6 *Final Test*

Available: Monday, 6/25/2018, after 6 PM on Canvas
Due: Tuesday, 6/26/2018, before 6 PM
Delivery: Post on Canvas
Chapters: Chapters 11 to 21 (inclusive) except 13 and 17
Points: The test is worth 200 points.

9. GRADING

Grading is based on the results of discussions, quizzes, homework assignments, mid-term test and final test.

Points

Students can obtain the points for each activity as listed in Table 7.

Table 7 *Points*

<i>Activity</i>	<i>Subtotal Points</i>
Discussions	14
Quizzes	51
Homework Assignments	85
Midterm Test	150
Final Test	200
Total Points	500

Final Grade

The final grade is based on the points obtained according to Table 8:

Table 8 *Grades*

<i>Percentage of Points</i>	<i>Grades</i>
99% to 100%	A+
92% to 98%	A
90% to 91%	A-
88% to 89%	B+
82% to 87%	B
80% to 81%	B-
78% to 79%	C+
70% to 78%	C
60% to 69%	D
0% to 59%	F

Incomplete

Title 5 of the Education Code defines the “I” grade as “Incomplete academic work. To be eligible to receive an “I” grade you must obtain the instructor's agreement and sign an Incomplete Contract form.

Academic Integrity:

The De Anza College Schedule of Classes, in the section titled, “Academic Integrity” states that “the submission of work which is not the product of a student's personal effort, or work which in some way circumvents the given rules or regulations will not be tolerated.” Based on this statement, copying another person's work, is an infraction of academic integrity and may result in a failing grade.

10. WEEKLY ASSIGNMENTS

The course content comes from the readings. Table 9 shows each week activity. Note that the contents of the textbook (4th edition) and video lessons do not match exactly. The book has been revised. Watch the videos for general information, but read the contents of each chapter carefully. **You are responsible for chapters 1 to 21 (inclusive) of the book except chapters 3, 13, and 17.**

Table 9 *Weekly activities*

Week	From - To	Videos	Reading	Homework	Quizzes	Discussion
I	04/09 to 04/15	Lessons 1 & 2	Chapters 1, 2	HW week 01	Quiz week 01	
II	04/16 to 04/22	Lessons 3 & 4	Chapters 4, 5	HW week 02	Quiz week 02	
III	04/23 to 04/29	Lessons 5 & 6	Chapters 6, 7	HW week 03	Quiz week 03	Discussion 1
IV	04/30 to 05/06	Lessons 7 & 8	Chapters 8, 9	HW week 04	Quiz week 04	
V	05/07 to 05/13	Lessons 9 & 10	Chapter 10	HW week 05	Quiz week 05	
VI	05/14 to 05/20		Review	Midterm test on 05/15		
VII	05/21 to 05/27	Lessons 11 & 12	Chapters 11, 12	HW week 07	Quiz week 07	
VIII	05/28 to 06/03	Lessons 13 & 14	Chapters 14, 15	HW week 08	Quiz week 08	
IX	06/04 to 06/10	Lessons 15 & 16	Chapters 16, 18	HW week 09	Quiz week 09	Discussion 2
X	06/11 to 06/17	Lessons 17 & 18	Chapters 19, 20	HW week 10	Quiz week 10	
XI	06/18 to 06/24	Lesson 19	Chapter 21	HW week 11	Quiz week 11	
XII	06/25 to 06/30		Review	Final test on 06/26		

11. DISABILITY

De Anza College views disability as an important aspect of diversity, and is committed to providing equitable access to learning opportunities for all students. Disability Support Services (DSS) is the campus office that collaborates with students who have disabilities to provide and/or arrange reasonable accommodations. If you have, or think you have, a disability in any area such as, mental health, attention, learning, chronic health, sensory, or physical, please contact DSS to arrange a confidential discussion regarding equitable access and reasonable accommodations. If you are registered with DSS and have accommodations set by a DSS counselor, please be sure that your instructor has received your accommodation letter from **Clockwork** early in the quarter to review how the accommodations will be applied in the course. Students who need accommodated test proctoring must meet appointment booking deadlines at the Testing Center.

- a. **Midterm exam** be booked at least five (5) business days in advance of the instructor approved exam date/time.
- b. **Final exams** must be scheduled **seven (7) business days/weekdays** in advance of the instructor approved exam date/time.

Failure to meet appointment booking deadlines will result in the forfeit of testing accommodations and you will be required to take your exam in class. Contact the DSS if you cannot find or utilize your MyPortal Clockwork Portal. DSS strives to provide

accommodations in a reasonable and timely manner, some accommodations may take additional time to arrange. We encourage you to work with DSS and your faculty as early in the quarter as possible so that we may ensure that your learning experience is accessible and successful.

Access

The following shows how you can access DSS.

DSS Location	RSS Building, Suite 141
DSS Phone:	408-864-8753
DSS Site	http://www.deanza.edu/DSS
DSS email	DSS@denaza.edu