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# CISD075A-64Z, SPRING 2017

## *Internet Concepts and TCP/IP Protocols*

*Professor: Behrouz Forouzan    CRN: 00447    Units: 5*

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### 1. GENERAL INFORMATION

#### Online Education Center

Table 1 gives the information for contacting Online Education Center:

**Table 1** *Information about Online Education Center*

<p><b>Office:</b> MLC-210 <b>Phone:</b> (408) 864-8969 <b>Site:</b> <a href="http://deanza.edu/online-ed/">http://deanza.edu/online-ed/</a> <b>Office Hours:</b> Monday to Thursday 9:00 AM to 5:00 PM; Friday: 9:00 AM to 4:00 PM</p>
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#### Professor

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

**Table 2** *Information about Your Professor*

<p><b>Name:</b> Behrouz Forouzan <b>Office Hours:</b> On line (by e-mail) <b>April 10 to June 30</b> <b>Email:</b> <a href="mailto:forouzanbehrouz@fhda.edu">forouzanbehrouz@fhda.edu</a> <b>Home Page:</b> <a href="http://faculty.deanza.edu/forouzanbehrouz/">http://faculty.deanza.edu/forouzanbehrouz/</a></p>
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#### 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.

#### Objectives

After completing the readings and written assignments, and viewing the lessons, you should be able to:

- a. identify the architecture of TCP/IP,
- b. understand the client/server environments,

- c. understand routing protocols and the Internet services.

### Prerequisite

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

### Some Important Dates

Table 3 gives you some important dates that needed to be remembered:

**Table 3** *Some Important Dates*

<b>First day of Spring Quarter: Monday, April 10</b>
<b>Last day to add (if space available): Saturday, April 22</b>
<b>Last day to drop and receive a refund (for resident students): Saturday, April 23</b>
<b>Last day to drop with no record of grade: Sunday, April 23</b>
<b>Last day to request a Pass/No Pass grade: Friday, May 5</b>
<b>Last day to drop with a “W” grade: Friday, June 2</b>
<b>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.</b>

### Online Tutoring Service

Starting Spring 2014, 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, 24 by 7, 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. Do on-line orientation and make sure to have an email address (see Section 3)
2. Obtain the textbook (see Section 5).
3. Be prepared to spend a minimum of 10 hours per week studying the materials.
4. View videos or video streams (see Table 11)
5. Read the corresponding chapters in the textbook (see Table 10)
6. Pass the midterm test and the final examination (see Tables 7 and 8).

## 3. ORIENTATION AND E-MAIL

### On-Line Orientation

Do the orientation on line. The information is given in Table 4.

**Table 4** *On-Line Orientation*

<b>Site:</b> <a href="http://deanza.edu/online-ed/oo.html?t=204">http://deanza.edu/online-ed/oo.html?t=204</a>
<b>Deadline:</b> Submit the Student Information Form by 12 noon on <b>Friday, April 15</b>

Registered students who do not complete the online orientation by the deadline may be dropped to make room for students on the wait list.

### E-mail Address

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

## 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 (see Section 3).

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 (A, B, C, D, or F) will be assigned to you at the end of the quarter. See Table 3 for information.

## 5. COURSE MATERIALS

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

### Textbook

Table 5 shows the textbook required for the course. It is available at De Anza and some other bookstores. It is also available on-line.

**Table 5** *Textbook*

<b>Book:</b>	<b><i>TCP/IP Protocol Suite, Fourth Edition</i></b>
<b>Author:</b>	<b>Behrouz Forouzan</b>
<b>Publisher:</b>	<b>McGraw-Hill, Inc.</b>
<b>ISBN:</b>	<b>0-07-337604-3</b>
<b>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.</b>	

### Calculator

You may need a calculator when practicing or taking the tests.

## 6. VIDEOS

The course includes 12 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 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.

## Video Streaming

The video lessons are also available by videostreaming. A high speed Internet connection is needed to view the videostreams. If you are connecting from home, this generally means a cable modem or DSL connection. To access the streams, go to the Catalyst web site at

<https://catalyst.deanza.edu>

and log into the site by following the instructions below. You will not be able to login until the first day of instruction. Once you've logged in, click on your course. The links to the videostreams, instructions and FAQ tips and troubleshooting are on this page.

## Quick Login Instructions

You need user-name and password for login:

- ❑ **Username:** Your De Anza College Student ID (**not your social security number**).
- ❑ **Password:** Your Birthday in this format: MMDDYYYY (Two-digit month, followed by two-digit day, and followed by four-digit year; no slashes or spaces.)

## Technical Support

For technical help with Catalyst (Moodle), please visit the links to FAQ on Catalyst site

<http://catalysthelp.deanza.edu/?p=faq>

Login information and request for password can also be located from catalyst site

<https://catalyst.deanza.edu>

If your question or issue is not covered in the FAQ, go to

<http://catalysthelp.deanza.edu>

where you will be able to submit a tech help request. Please note that Catalyst is De Anza's branding of Moodle software.

### QuickTime Download

Videos are streamed using QuickTime. For a free download of the QuickTime software and to test your computer go to the following web site:

[http://catalysthelp.deanza.edu/?p=faq&recid=7#this\\_question](http://catalysthelp.deanza.edu/?p=faq&recid=7#this_question)

### Congestion

The quality of the videostream can be affected by Internet congestion on the De Anza Campus or network congestion with your Internet service provider.

**Please report any problem related to video lessons to the Distance Learning Center. Your professor has no control over lessons.**

## 7. READING ASSIGNMENTS

To receive knowledge about the course, follow the steps below:

1. Read chapters 1-23 (inclusive) except chapters 3, 13, and 17.
2. Do the quizzes at the book's web site.
3. Solve exercises to be prepared for the tests.

**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 and one final tests will be given during the term. Absolutely no make up tests.

### Midterm Test

Carefully note the information in Table 6 about the midterm. **This is a take-home project.**

**Table 6** *Midterm test (take-home test)*

<b>Available:</b> Wednesday, May 24, after 6 PM
<b>Site:</b> <a href="http://faculty.deanza.edu/forouzanbehrouz">http://faculty.deanza.edu/forouzanbehrouz</a> (I will also send it to you by email)
<b>Due:</b> Thursday, May 25, before 6 PM
<b>Delivery:</b> E-mail the answers to your professor ( <a href="mailto:forouzanbehrouz@fhda.edu">forouzanbehrouz@fhda.edu</a> )
<b>Chapters:</b> First midterm test covers chapters 1to10 except 3.

**Table 6** *Midterm test (take-home test)*

<b>Points:</b> The test is worth 100 points.
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**Final Examination**

Carefully read information provided in Table 7 about the final examination. **This is a take-home project.**

**Table 7** *Final Examination*

<b>Available date and time:</b> At my site, after 6 PM. <b>Tuesday, June 27</b>
<b>Site:</b> <a href="http://faculty.deanza.edu/forouzanbehrouz">http://faculty.deanza.edu/forouzanbehrouz</a>
<b>Due:</b> Before 6 PM. <b>Wednesday June 28</b>
<b>Delivery:</b> E-mail the answers to your professor ( <b>forouzanbehrouz@fhda.edu</b> )
<b>Chapters:</b> Final Examination covers chapters 11 to 23.
<b>Points:</b> The test is worth 100 points.

**Note to students with disabilities**

If you have a disability- related need for reasonable academic accommodations or services in this course, provide (name of 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).

**9. GRADING**

One midterm test and one final examination will be given during the term. You must take the final exam to be eligible for a grade.

**Points**

Students can obtain the points for each activity as listed in Table 8.

**Table 8** *Points*

<i>Activity</i>	<i>Points</i>
Midterm	100
Final examination	150
<b>Total Points</b>	<b>250</b>

**Final Grade**

The final grade is based on the points obtained according to Table 9:

**Table 9** *Grades*

<i>Percentage of Total Points</i>	<i>Grades</i>	<i>Percentage of Total Points</i>	<i>Grades</i>
90% to 100%	A	60% to 69%	D
80% to 89%	B	0% to 59%	F
70% to 79%	C		

## Incomplete

Title 5 of the Education Code defines the “I” grade as “Incomplete academic work for unforeseeable emergency and justifiable reason at the end of the term” such as illness or death in the family. To be eligible to receive an “I” grade you must obtain the instructor's agreement and sign an Incomplete Contract before the final examination.

## 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. STUDYING EACH WEEK'S ASSIGNMENTS

The course content comes from the readings. Table 10 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 23 (inclusive) of the book (except chapters 3, 13, and 17).**

**Table 10** *Weekly activities*

<i>Week</i>	<i>Reading</i>	<i>Videos</i>	<i>Tests</i>
<b>I</b> <i>April 10 – April 16</i>	<b>Chapters 1 and 2</b>	<b>Lesson 1</b>	
<b>II</b> <i>April 17– April 23</i>	<b>Chapters 4 and 5</b>	<b>Lesson 2</b>	
<b>III</b> <i>April 24 – April 30</i>	<b>Chapters 6 and 7</b>	<b>Lesson 3</b>	
<b>IV</b> <i>May 01 – May 07</i>	<b>Chapters 8 and 9</b>	<b>Lesson 4</b>	
<b>V</b> <i>May 08– May 14</i>	<b>Chapters 10 and 11</b>	<b>Lesson 5</b>	
<b>VI</b> <i>May 15 – May 21</i>	<b>Chapters 12 and 14</b>	<b>Lesson 6</b>	
<b>VII</b> <i>May 22 – May 28</i>	<b>Chapters 15 and 16</b>	<b>Lesson 7</b>	<b>Midterm</b> <b>May 25</b>
<b>VIII</b> <i>May 29 – June 04</i>	<b>Chapter 18 and 19</b>	<b>Lesson 8</b>	
<b>IX</b> <i>June 05– June 11</i>	<b>Chapters 20 and 21</b>	<b>Lesson 9</b>	
<b>X</b> <i>June 12 – June 18</i>	<b>Chapters 22 and 23</b>	<b>Lessons 10</b>	

**Table 10** *Weekly activities (Continued)*

<i>Week</i>	<i>Reading</i>	<i>Videos</i>	<i>Tests</i>
<b>XI</b> <i>June 19 – June 25</i>	<b>Review</b>	<b>Lessons 11, 12</b>	
<b>XII</b> <i>June 26 – June 30</i>	<b>Review for final</b>	<b>Review no new lesson</b>	<b>Final Examination June 28</b>