

# CISD066 -64Z, Spring 2017

## Introduction to Data Communications and Networking

**Professor:** Behrouz Forouzan   **CRN:** 43321   **Units:** 5

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### 1. GENERAL INFORMATION

#### Online Education Center

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

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

|   |
|---|
| <p><b>Office:</b> MLC-210<br/><b>Phone:</b> (408) 864-8969<br/><b>Site:</b> <a href="http://deanza.edu/online-ed/">http://deanza.edu/online-ed/</a><br/><b>Office Hours:</b> Monday to Thursday, 9 AM to 5:00 PM; Friday: 9:00 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<br/><b>Office Hours:</b> On line (by email) <b>April 10 to June 30</b><br/><b>Email:</b> <a href="mailto:forouzanbehrouz@fhda.edu">forouzanbehrouz@fhda.edu</a><br/><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 concepts of telecommunications, data communications, and networks.

#### Objectives

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

- a. identify major applications of networking,

- b. describe the networking equipment,
- c. and learn about data communication protocols.

## Prerequisite

EWRT 100B and READ 91 (or LART 100), or ESL 4 advised.

## 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*

|  |
|--|
| <b>First day of the 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: Sunday, 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

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.

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## 2. REQUIREMENTS

The following is the minimum requirements for the course:

1. Do on-line orientation and be sure to have an email address (see Table 4).
2. Obtain the textbook (see Table 5).
3. Be prepared to spend a minimum of 10 hours per week using and studying the materials.
4. View videos.
5. Read the corresponding chapters in the textbook (see Table 10).
6. Pass the midterm and the final examination (see Table 7 and 8).

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### 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*

**Site:** <http://deanza.edu/online-ed/oo.html?t=204>

**Deadline:** Submit the Student Information Form by 12 noon on **Friday, April 15**

Note that the Information Form to submit is at the end of the orientation. Registered students who do not complete the online orientation by the deadline may be dropped from the course.

#### E-mail Address

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

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### 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.

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### 5. COURSE MATERIALS

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

#### Textbook

Table 5 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 5** *Textbook*

**Book:** *Data Communications and Networking, Fifth Edition*

**Author:** Behrouz Forouzan

**Publisher:** McGraw-Hill, Inc.

**ISBN:** 0-07-337672-1

**Note:** Although the video lessons may mention other versions of the book, the book for this course is the **5th Edition**. Video lessons are only to help to understand some concepts. The course is based on the current version of the book.

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## 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 Online Education Center. Your professor has no control over lessons.**

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## 7. READING ASSIGNMENTS

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

1. Read chapters 1-17 (inclusive) of the textbook.
2. Review the End-Chapter Material section at the end of Chapters 1-17.
3. Do the quizzes, questions, and problems mentioned at the Practice-Set section for chapters 1-17. .

**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**

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## 8. TESTS

One midterm test and one final examination will be given during the term. Absolutely no make-up tests.

## Midterm Test

Carefully note the information in Table 6 about the midterm. The test day is Wednesday May 24, but I post it the previous evening to be ready for that day.

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

|   |
|---|
| <p><b>Available:</b> Tuesday, May 23, after 6 PM</p> <p><b>Due:</b> Wednesday, May 24, before 6 PM</p> <p><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)</p> <p><b>Delivery:</b> Send the answer attached to an email to me (<a href="mailto:forouzanbehrouz@fhda.edu">forouzanbehrouz@fhda.edu</a>)</p> <p><b>Chapters:</b> First midterm test covers chapters 1, 2, 3, 4, 5, 6, 7, and 8.</p> <p><b>Points:</b> The test is worth 100 points.</p> |
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## Final Examination

Carefully read information provided in Table 7 about the final examination. The test day is Tuesday June 27, but I post it the previous evening to be ready for that day.

**Table 7** *Final Examination*

|   |
|---|
| <p><b>Available:</b> Monday, June 26, after 6 PM, at the professor's site</p> <p><b>Due:</b> Tuesday, June 27, before 6 PM</p> <p><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)</p> <p><b>Delivery:</b> Send the answer attached to an email to me (<a href="mailto:forouzanbehrouz@fhda.edu">forouzanbehrouz@fhda.edu</a>)</p> <p><b>Chapters:</b> Chapters 9 to 17 (inclusive)</p> <p><b>Points:</b> The test is worth 150 points.</p> |
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## 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).

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## 9. GRADING

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

## Points

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

**Table 8** Points

| Activity            | Subtotal Points |
|---------------------|-----------------|
| Midterm test        | 100             |
| Final examination   | 150             |
| <b>Total Points</b> | 250             |

## Final Grade

The final grade is based on the points obtained according to Table 9 (no plus or minus grading):

**Table 9** Grades

| Percentage of Total Points | Grades | Percentage of Total Points | Grades |
|----------------------------|--------|----------------------------|--------|
| 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. 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. 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 17 (inclusive) of the book.**

**Table 10** Weekly activities

| Week                                    | Reading       | Videos   | Tests |
|---|---------------|----------|-------|
| <b>I</b><br><i>April 10 – April 16</i>  | Chapters 1, 2 | Lesson 1 |       |
| <b>II</b><br><i>April 17 – April 23</i> | Chapters 3, 4 | Lesson 2 |       |

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

| <b>Week</b>                              | <b>Reading</b>                    | <b>Videos</b>                         | <b>Tests</b>                               |
|--|-----------------------------------|---------------------------------------|--|
| <b>III</b><br><i>April 24 – April 30</i> | <b>Chapters 4, 5</b>              | <b>Lesson 3</b>                       |  |
| <b>IV</b><br><i>May 01 – May 07</i>      | <b>Chapters 5, 6</b>              | <b>Lesson 4</b>                       |  |
| <b>V</b><br><i>May 08 – May 14</i>       | <b>Chapters 7, 8</b>              | <b>Lesson 5</b>                       |  |
| <b>VI</b><br><i>May 15 – May 21</i>      | <b>Chapters 9, 10</b>             | <b>Lesson 6</b>                       |  |
| <b>VII</b><br><i>May 22 – May 28</i>     | <b>Chapters 11, 12</b>            | <b>Lesson 7</b>                       | <b>Midterm</b><br><b>May 24</b>            |
| <b>VIII</b><br><i>May 29 – June 04</i>   | <b>Chapter 13, 14</b>             | <b>Lesson 8</b>                       |  |
| <b>IX</b><br><i>June 05 – June 11</i>    | <b>Chapter 14, 15</b>             | <b>Lesson 9</b>                       |  |
| <b>X</b><br><i>June 12 – June 18</i>     | <b>Chapters 16, 17</b>            | <b>Lessons 10</b>                     |  |
| <b>XI</b><br><i>June 19 – July 25</i>    | <b>Review</b>                     | <b>Lessons 11, 12</b>                 |  |
| <b>XII</b><br><i>June 26– June 30</i>    | <b>Review</b><br><b>for final</b> | <b>Review</b><br><b>no new lesson</b> | <b>Final Examination</b><br><b>June 27</b> |