

**CIS D022-88Z, CRN:47512**  
**Term: Spring 2024, De Anza**

## **Data Abstract and Structure**

### **2. Course Information**

**Course Number: D022-64Z**

**Days and Time: On-Line**

**Students Attendance:** The course is on-line, so no physical attendance of students is needed.

### **2. Course Outcome**

The course is designed to provide three major learning outcomes after taking the course:

1. The students should be able to read, analyze, and explain advanced data Structure programs.
2. The students should be able to design solutions for advanced problems using appropriate design methodology.
3. The students should be able to create and analyze the efficiency of advanced-level data structure algorithms.

### **3. Text Book:**

None (the materials will be posted on Canvas).

### **4. Instructor Information**

**Name: Behrouz Forouzan**

**District Email: [forouzanbehrouz@fhda.edu](mailto:forouzanbehrouz@fhda.edu)**

**Office Hours: Mondays and Wednesday 11:00 AM to 12:00 AM using Zoom.**

## **5. Course Requirement**

1. Make sure you have a valid e-mail address for the course.
2. Submit questions by posting on Canvas.
3. Download and print course materials from Canvas.
4. Do assignments as shown at the end of each part of the materials (review questions and problems).
5. Take the Midterm Test when posted.
6. Take the Final Test when posted.

## **6. Orientation**

Do the orientation on line. The information is given below: <https://deanza.instructure.com/courses>

## **7. Drop Policy**

I have to drop those students who did not participate in the course on the census day. One indication of participation is to do one-line orientation and finish the assignments (quizzes, homeworks, and discussion) during the first week of the course.

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.

## **8. Course Materials**

The following materials are required for the course: Reading Materials and Email Address. I will post the reading materials for each week on Canvas. Make sure you have a valid email-address on record with De Anza.

## **9. Assignments**

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

1. Read materials posted in Canvas for each week period.
2. Do the problems at the end of each week materials.
3. Take the midterm and final tests and post your answers before the due date.

# 10. Midterm

Carefully note the information in Table 1 about the Midterm Test.

Table 1 *Midterm Test*

<b>Available:</b> Monday 5/13/2024, after 6 PM on Canvas
<b>Due:</b> Tuesday 5/14/2024, before 6 PM
<b>Delivery:</b> Post on Canvas
<b>Chapters:</b> Midterm test covers assignments in week 01 to week 06.
<b>Points:</b> The test is worth 100 points.

# 11. Final

Carefully note the information in Table 2 about the Final Term.

Table 2 *Final test*

<b>Available:</b> Wednesday, June 26, after 6 PM on Canvas
<b>Due:</b> Thursday June 27, before 6 PM on Canvas
<b>Delivery:</b> Post on Canvas
<b>Chapters:</b> Final test covers assignments in week 06 to week 11.
<b>Points:</b> The test is worth 150 points.

# 12. Points

Students can obtain the points for each activity as listed in Table 3.

Table 3 *Points*

<i>Activity</i>	<i>Subtotal Points</i>
Problem set	30
Midterm test	100
Final test	150
Total	280

# 13. Final Grade

The final grade is based on the points obtained according to Table 4:

**Table 4** *Grades*

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

## 14. Each Week Assignment

The course content comes from the readings. Table 5 shows each week activity.

**Table 5** *Weekly activities*

<b>Week</b>	<b>From</b>	<b>to</b>	<b>Reading</b>	<b>Problems</b>
<b>1</b>	<b>04/08</b>	<b>04/14</b>	<b>Week 01</b>	<b>week 01</b>
<b>2</b>	<b>04/15</b>	<b>04/21</b>	<b>Week 02</b>	<b>week 02</b>
<b>3</b>	<b>04/22</b>	<b>04/28</b>	<b>Week 03</b>	<b>week 03</b>
<b>4</b>	<b>04/29</b>	<b>05/05</b>	<b>Week 04</b>	<b>week 04</b>
<b>5</b>	<b>05/06</b>	<b>05/12</b>	<b>Week 05</b>	<b>week 05</b>
<b>6</b>	<b>05/13</b>	<b>05/19</b>	<b>Week 06</b>	<b>week 06</b>
<b>7</b>	<b>05/20</b>	<b>05/26</b>	<b>Week 07</b>	<b>week 07</b>
<b>8</b>	<b>05/27</b>	<b>06/02</b>	<b>Week 08</b>	<b>week 08</b>
<b>9</b>	<b>06/03</b>	<b>06/09</b>	<b>Week 09</b>	<b>week 09</b>
<b>10</b>	<b>06/10</b>	<b>06/16</b>	<b>Week 10</b>	<b>week 10</b>
<b>11</b>	<b>06/17</b>	<b>06/23</b>	<b>Week 11</b>	<b>week 11</b>
<b>12</b>	<b>06/24</b>	<b>06/30</b>	<b>Week 12</b>	<b>week 12</b>

## 15. Grade Response

You receive the grade for homeworks, midterm, and final exam withing the 48 hours of the assignment due date. You need to check

the final grade with the college at the end of the quarter.

## **16. Incomplete**

Academic work is incomplete for unforeseeable, emergency and justifiable reasons at the end of the term. At least 60 percent of the class must have been completed to qualify for Incomplete status. In other words, the student must have done all assignments in Table 7 except the final test to qualify for Incomplete status.

## **17. 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.

## **18. Disability**

De Anza College views disability as an important aspect of delivery, 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. 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/week-days in advance of the instructor approved exam date/time.**
- c. 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. Access**

**The following shows how you can access DSS.**

<b>DSS Location</b>	<b>RSS Building, Suite 141</b>
<b>DSS Phone:</b>	<b>408-864-8753</b>
<b>DSS Site</b>	<b><a href="http://www.deanza.edu/DSS">http://www.deanza.edu/DSS</a></b>
<b>DSS email</b>	<b><a href="mailto:DSS@denaza.edu">DSS@denaza.edu</a></b>