

## De Anza Community College

Instructor: F. Mosh (E-mail: moshfarshod@fhda.edu)

Office Hours: 1:00Pm-1:30Pm and 3:30Pm to 4:00Pm M, T, W, Th

### Requirements:

- Text: Any Calculus text OR Class notes (Make sure that the text of your choice covers all the materials from the class.)
- Binder to keep class notes / class examples / board quiz questions.
- Calculator: (Optional) We will Not use a calculator on any tests/exams
- **NOTE:** All work is to be done in **PENCIL** (Otherwise no points given)

Attendance: Attendance is mandatory. Student will lose **ONE** point for each tardy (being in class after the class is started. I go by school computer time and I don't care about time on your watch) and **TWO** points per hour for each absent (being in class after 15 min of start of the class or leaving early).

Failure to Bring Syllabus, record sheet counts as an absent.

Any student who does not show up to the class any of the days of the first two weeks of classes will be dropped from the roster.

### How to success in this course:

- 1- Read the sections assigned and do the class assignments.
- 2- Attend the class and participate in class
- 3- Finish all the class work in class and do your homework.
- 4- Take all the comprehensive tests (**20%for four tests**) there is no make-up.
- 5- Take all the comprehensive exams (**40% for two exams**) there is no make-up.
- 6- Do work with partners in a group for questions and solutions problems. (**10%**)
- 7- Do well on the comprehensive Final (**20% Final**)
- 8- Make sure to follow the class rules and directions correctly (**10%**)

**Including:** Print and Bring the Syllabus and sign the Student Conduct and Class etiquette:  
/providing two forms of ID / Taking Diagnostic test / turning the Board quiz questions on time / Turn in the record sheet on time

### Student Conduct and Class etiquette:

1-Any student who is disruptive will be asked to leave the class quietly.

Some class distractions are including:

- a) Talking during lecture
- b) Having strong odor such as cigarette or sweat odor.
- c) Making unnecessary noise with pen or paper.

2- Cellular phones, iPods, iPhones, Game boys, head set, and any other gadgets similar to these, are banned. Make sure they are off and out of my sight.

**Communication devices must be off during class time.** (Discuss emergency accommodations with instructor)

3- Absolutely no food or drinks in class. (Water bottle with cap is okay)  
Leave the food or drinks outside of the class or put them in your backpack.

4- Proper seating and etiquette

- a) Seating up right
- b) Face toward the board
- c) Do not use the other desk as leg or arm rest
- d) No hat, beanie, or sunglasses in classroom
- e) After making the seating chart for the class, you are responsible for your proper arrangement and cleanness of the seat and its surrounding.
- f) Your desk must be clear of backpack, phone, hat & all unnecessary items.

**The student will lose two points for any of the above incidents.**

5- Any communication during exams/quizzes or any indication of cheating results in failing the course. So, you are responsible for your exam paper. (20-points for the exam and 10-points for follow the rules)

6- Read the section and list your questions before the section is presented in class. Make sure to ask all your questions before the class is moved on to a new topic.

7- If there are any personal issues that might interfere with your performance in this class, please contact [kueksiew@fhda.edu](mailto:kueksiew@fhda.edu) (408) 864-8868 to help you. I treat all students equal.

Name \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_

Week	Day	Topics in Linear Algebra
1	1	Syllabi, Diagnostic test, <b>Chapter 6</b>
	2	<b>Chapter 6: Geometry of Linear Algebra</b>
2	3	Geometry of Linear Algebra
	4	Geometry of Linear Algebra ( <b>2 Q/A from Chapter 6</b> )
3	5	<b>Board Quiz and Quiz #1</b>
	6	<b>Chapter 7: Basic properties of n-D vector Spaces</b>
4	7	Basic properties of n-D vector Spaces
	8	Basic properties of n-D vector Spaces( <b>3 Q/A from Chapter 7</b> )
5	9	<b>Board Quiz and Quiz #2</b>
	10	<b>Chapter 8: Approximation, Calculations with Matrices</b>
6	11	Approximation, Calculations with Matrices (Fourier Transform)
	12	<b>Exam 1 20 points</b>
7	13	Approximation, Calculations with Matrices (Fourier Transform)
	14	Approximation, Calculations with Matrices ( <b>2 Q/A from Ch 8</b> )
8	15	<b>Board Quiz and Quiz #3</b>
	16	<b>Chapter 9: Dirac Notation in Quantum Hilbert space</b>
9	17	Dirac Notation in Quantum Hilbert space
	18	Dirac Notation in Quantum Hilbert space( <b>3 Q/A from Ch 9</b> )
10	19	<b>Board Quiz and Quiz #4</b>
	20	<b>Exam 2 20 points</b>
11	21	<b>Chapter 10: Tensor Algebra Turn in the record sheet</b>
	22	Presentations
12	23	<b>Final 20 points (Wednesday at 6:15pm)</b>

## Record sheet

Name \_\_\_\_\_

Last 4 digit of ID \_\_\_\_\_

Course \_\_\_\_\_

Quiz 1 /5    Quiz 2 /5    Quiz 3 /5    Quiz 4 /5    Total /20

Exam one /20    Exam two /20    Total /40

Participation /10    Presentation /10    Total /20

Final /20    Total /20

Grading:    90 -100 A    80 - 89 B    70 - 79 C    60 - 69 D

Name \_\_\_\_\_ Signature \_\_\_\_\_ Date \_\_\_\_\_

## This portion is for Honor Class

If you are in the Honors Program you are welcome to participate in the cohort. If you are not still you can participate as long as you have not taken an Honors class from De Anza previously. Eligibility requirements can be found at <http://www.deanza.edu/honors> or you may contact [dahonors@deanza.edu](mailto:dahonors@deanza.edu) with your name, SID, and the Honors course you are interested in taking. The cohort entails additional work and you will earn an Honors designation for this class on your transcript. Once you commit to the Honors portion, you will be expected to complete the extra work. Failure to complete the Honors work will result in a lowering of your Honors course grade. Honor students' grade will be out of 110 points where the extra 10 points is for your Honor project.

### The extra assignment for Honor course

1. A power point presentation on application of Mathematics related to your major.
2. Present it in class for your classmates during the last week of quarter.
3. Turn in the physical copy of your presentation.
4. Make a few simple test questions about the topic of your presentation for your classmate to test the strength (Effectiveness )of your presentation

Name \_\_\_\_\_ Signiture \_\_\_\_\_ Date \_\_\_\_\_

**Student Learning Outcome(s):**

- \*Construct and evaluate linear systems/models to solve application problems.
- \*Solve problems by deciding upon and applying appropriate algorithms/concepts from linear algebra.
- \*Apply theoretical principles of linear algebra to define properties of linear transformations, matrices and vector spaces.