De Anza Community College

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

Office Hours: 3:30Pm-4:00Pm and 6:00Pm to 6:30Pm M-Th, At E-31a

Requirements:

- Text: Any decent linear algebra text and all my hand outs
- Binder to keep Exams, Quizzes, H.W, and class notes.
- Calculator   No Calculator on the exams
- **NOTE**: All work is to be done in **PENCIL** (test and exams with pen, Will not be graded and it counts as zero)

Student Learning Outcome Statements (SLO)

• **Student Learning Outcome:** Work on the Geometry of linear algebra in 2-D and 3-D then understand Algebra of the n-D Hilbert Spaces. Clear understanding of Linear Vector Spaces including dual Spaces such as Fourier transform.

• **Student Learning Outcome:** Understand Linear mapping (Transforms) and its applications in Sciences. Use the concept of Eigenvalue and Eigenvectors for calculations such as diagonalization and solve Differential Equations.

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).

Each student *can earn up to 6 points*. 1 point for signed green sheet (*on the first day*) and 1 point for calculated and signed record sheet (*on the last day*) plus 3 points form diagnostic test on the first day and 1 point for IDs (*on the first day*). You can use these points *against your tardy and absents* in case of emergencies, sickness, religious holidays, or anything else that I did not mentioned here.

Any student who does not show up to the class on first or second week of classes will be dropped from 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 four group quizzes (20%) 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 class presentation. (10%)

7- Do well on the comprehensive Final (20% Final)

8- Make sure to follow the class rules and directions correctly (10%)

9- When a student losses more than 24 points (at any point in the quarter) there will be no chance of passing.

<u>Student Conduct and Class etiquette:</u>

1-Any student who is disruptive will be asked to leave the class quietly.
 Some <u>class distractions</u> 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 off during class (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 Bags, backpack, phone, hat and all necessary items.
<u>The student will lose two points for any of the above incidents.</u>

5- Any communication during exams/quizzes or any indication of cheating results in failing the course. So, you are responsible for your exam paper.

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. Don't fall behind since each section is built on top of the previous section.

7- If there are any personal issues that might interfere with your performance in this class, please contact kueksiew@fhda.edu (408) 864-8868 to help you. I will treat all students the same regardless of your personal issues.

NAME--------------------Signature--------------------------

Week	Day	Topics in Linear Algebra
1	1	Syllabi, Diagnostic test, Chapter 6
	2	Chapter 6: Geometry of Linear Algebra
2	3	Homework Chapter 6
	4	Chapter 7: Basic properties of n-D vector Spaces
3	5	Chapter 7: Basic properties of n-D vector Spaces
	6	Chapter 7: Basic properties of n-D vector Spaces
4	7	Chapter 7: Basic properties of n-D vector Spaces
	8	Homework Chapter 7
5	9	Chapter 8: Approximation, Calculations with Matrices
	10	Chapter 8: Approximation, Calculations with Matrices
6	11	Homework Chapter 8
	12	Exam 1 20 points
7	13	Chapter 9: Dirac Notation in Quantum Hilbert space
	14	Chapter 9: Dirac Notation in Quantum Hilbert space
8	15	Chapter 9: Dirac Notation in Quantum Hilbert space
	16	Homework Chapter 9
9	17	Chapter 10: Application of Tensor algebra in General Relativity
	18	Chapter 10: Application of Tensor algebra in General Relativity
10	19	Homework Chapter 10
	20	Exam 2 20 points
11	21	Presentation (Maximum of 10 points per each member of each group)
	22	Presentation (Maximum of 10 points per each member of each group)
12	23	Final 20 points (Wednesday at 4:00pm)

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 _____Signiture_____Date_____