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**Instructor:** Hassan. Bourgoub  
**Course Name:** Linear Algebra  
**CRN/Section 21663/5Z**  
**Classroom:** Online  
**Time:** MW, 4:00-6:15pm  
**Office Hours:** MW 10:30 -11:20am, TTh 11:30 -12:20pm  
**Office/Phone:** None  
**Email:** [Bourgoubhassan@fhda.edu](mailto:Bourgoubhassan@fhda.edu)  
**Textbook:** Linear Algebra by David Lay, 5<sup>th</sup> edition

### PREREQUISITES

DeAnza Math 001D with grade of C or better or the equivalent.

### *Attendances*

The class will meet online on Monday and Wednesday 4:00pm-6:15pm

The time will be divided into two segments. One hour of lecture at the beginning of each meeting is mandatory and an optional second hour of problem solving using the posted work sheets.

### *Homework*

Homework is an integral part of the course and should be treated accordingly. It is very unlikely for most students to succeed in this class without completing all homework assignments on time.

### *Web assignments*

We will use MyMathlab website for course homework and access to the textbook. You are to purchase an access code separately or bundled with a new textbook. The due date for each assignment is found on the site. All due dates are set approximately six days after the relevant material is discussed in class. These due dates are fixed to allow for uniform distribution of course load throughout the quarter. Each assignment comprises a number of homework credits equal the number of problems in the assignment. There are a total 100 points possible for the combined assignments.

### *Tests*

We are going to have three tests. These tests are based on the MyMathlab homework content. Dates for all tests are available on the class' weekly modules. The three tests are worth 50 points each.

## ***Work Sheets***

For each section in the textbook we cover there is a corresponding writing a work sheet. These are designed to supplement Homework and help students write complete legible solutions in both exams and quizzes.

## ***Final Exam***

*The final exam will be comprehensive and mandatory and counts for 100 points. The date and time for the final is available on the course schedule.*

Distribution of Course Grade	
Web-assignments	100
Quizzes	50
Exams	150
Final Exam	100
Total	400

## ***Test Performance***

Satisfactory performance on tests, homework assignments and the final exam are necessary for passing the course. All dates for the assignments are fixed to allow for even distribution of classwork throughout the quarter.

## ***Materials***

The required text mentioned above, a TI84 calculator or the equivalent, loose paper, pencils and a ruler are required course materials.

## ***Academic Integrity***

Refer to Schedule of Classes on college policy under subtitle Academic Integrity; in addition, cheating and plagiarism is not tolerated and will be decisively met with grade F for test/assignment, and, or dismissal from class depending on the circumstances.

## ***Grading***

*The course grade is based on the fixed scale below. Grades are not given to you, they are earned by your desire and willingness to be consistent, persistent and hardworking. There are three components to the total grade in this course, in-class/online tests and quizzes, homework assignments, and a final exam.*

## ***How am I doing in this class?***

Record all Tests, Quizzes and homework scores. The best indicator or predictor of your course grade is your test and quiz scores. Add up all your exams and quizzes then divide by the total possible points and multiply the result by 100 to obtain your percent score, then use the grade scale below to determine your letter grade.

Letter Grade	Percentage
A+	97% or above
A	94%-96%
A-	90%-93%
B+	87%-89%
B	84%-86%
B-	80%-83%
C+	73%-79%
C	65%-72%
D	50%-64%
F	Below 50%

Good Luck

**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.