



Math 11.67 – Finite Mathematics
Meets: TTh, 6:30 PM to 8:45 PM
Room: G5

Winter 2020

Instructor: Lilit Mazmanyanyan	Office: Baldwin Winery 12
Contact: mazmanyanyanlilit@fhda.edu	Office hours: Tuesday, 3:15 – 3:45 PM Thursday, 2:15 – 2:45 PM

Course Description

Application of linear equations, sets, matrices, linear programming, mathematics of finance and probability to real-life problems. Emphasis on the understanding of the modeling process, and how mathematics is used in real-world applications.

Prerequisites

- Qualifying score on the Math Placement Test within the past calendar year; or MATH 114 or equivalent with a grade of C or better.
- Advisory: EWRT 211 and READ 211 (or LART 211), or ESL 272 and 273.

Textbook

Michael Sullivan, "Finite Mathematics, An Applied Approach", 11th ed. Wiley, 2011.

Technology

- A TI-83 PLUS, TI-84 or TI-84 PLUS graphing calculator is required.
- It is the student's responsibility to obtain a calculator to use if his/her calculator is lost or broken. Library Reserve has calculators for limited loans. The instructor can NOT lend her calculator.
- Cell phones or other devices CANNOT be used in place of a permitted calculator on any quiz or examination.
- Microsoft Excel or graphing calculator is required to complete some assignments.

Homework (HW)	<ul style="list-style-type: none"> • Homework will be assigned each week • After the due date/time, HW cannot be submitted for credit • The lowest hw score will be dropped
Quizzes (Q)	<ul style="list-style-type: none"> • Quiz is closed book • It is based on classwork and homework • One sheet of notes, HANDWRITTEN, (one side 8.5 x 11-inch) is allowed • NO MAKE-UP QUIZZES are given • Missed quiz is graded as a zero (0) • The lowest quiz score will be dropped
Exams & Final Exam (EX,FE)	<p>There will be four (4) examinations</p> <ul style="list-style-type: none"> • EX 1, 2 & 3 are one (1) hour each and Final exam is two (2) hours • EX 1, 2 & 3 and the FE dates are on the course schedule • Exams are closed book • Bring graphing calculator, spare batteries, pencils, ruler, sharpener, and eraser • No cellphones or other technologies are allowed during the Exams except graphing calculator • One (1) sheet of notes (one-sided 8.5 x 11-inch), HANDWRITTEN, is allowed for the Exams 1, 2 & 3 • One (1) sheet of notes (double-sided 8.5 x 11-inch), HANDWRITTEN, is allowed for

	<p>the Final Exam</p> <ul style="list-style-type: none"> • There are NO MAKE-UP examinations • An absence from any examination earns a grade of zero (0) • The lowest score of exams 1, 2 & 3 will be replaced by a percentage on the final exam if the latter is higher. • You MUST take the final exam to pass the course 																																												
Grading	<p>Students will be graded on homework (HW), quizzes (Q), and exams (EX1, 2 & 3, FE). Grading depends on the clarity of work, interpretations, accuracy and completeness of graphs, and explanations as well as numerical answers.</p> <p>Distribution of weights for each category</p> <table border="1"> <thead> <tr> <th>Category</th> <th>% Weight on Final Grade</th> </tr> </thead> <tbody> <tr> <td>Homework</td> <td>15%</td> </tr> <tr> <td>Quizzes</td> <td>15%</td> </tr> <tr> <td>Exam 1</td> <td>15%</td> </tr> <tr> <td>Exam 2</td> <td>15%</td> </tr> <tr> <td>Exam 3</td> <td>15%</td> </tr> <tr> <td>Final Exam</td> <td>25%</td> </tr> </tbody> </table> <p>Grading Scale</p> <table border="1"> <tbody> <tr> <td>A+</td> <td>≥99</td> <td>A</td> <td>94-98</td> <td>A-</td> <td>90-93</td> </tr> <tr> <td>B+</td> <td>86-89</td> <td>B</td> <td>82-85</td> <td>B-</td> <td>78-81</td> </tr> <tr> <td>C+</td> <td>74-77</td> <td>C</td> <td>70-73</td> <td></td> <td></td> </tr> <tr> <td>D+</td> <td>64-69</td> <td>D</td> <td>58-63</td> <td>D-</td> <td>50-57</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>F</td> <td><50</td> </tr> </tbody> </table> <p>Extra Credit</p> <p>During the course you will have opportunities for extra credits. There will be extra problems included in the coursework and on exams.</p>	Category	% Weight on Final Grade	Homework	15%	Quizzes	15%	Exam 1	15%	Exam 2	15%	Exam 3	15%	Final Exam	25%	A+	≥99	A	94-98	A-	90-93	B+	86-89	B	82-85	B-	78-81	C+	74-77	C	70-73			D+	64-69	D	58-63	D-	50-57					F	<50
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Important Dates and Deadlines

<https://www.deanza.edu/calendar/>

Monday	January 6	First day of Winter Quarter 2020
Saturday	January 18	Last day to add classes
Sunday	January 19	Last day to drop classes with no record of "W"
Monday	January 20	Martin Luther King Jr. Holiday - Campus Closed
Friday	January 31	Last day to request "Pass/No Pass"
Friday-Monday	February 14 – 17	Presidents' Holiday – Campus Closed
Friday	February 28	Last day to drop classes with "W"
Thursday	March 26 6:15 – 8:15PM	Final examination https://www.deanza.edu/calendar/finalexams.html

Attendance, Drops or Withdrawals

- Regular attendance is essential for success in the course.
- You must not miss a class in the first week of the quarter or you will be dropped.
- A student who discontinues coming to class and does not drop the course will automatically receive an 'F' grade for the course.

- It is the student's responsibility to drop or withdraw from this course by the college deadlines.

Academic Honesty and Discipline Policy:

Students are expected to abide by the DeAnza College Code of Conduct and not participate in academic dishonesty.

Academic dishonesty includes:

- Copying from other students (plagiarism)
- Using notes during a quiz or examination that do not meet permitted specifications
- Continuing to write or erase on a quiz or examination after the permitted time has ended
- Using any electronic device other than the approved TI calculator on a quiz or examination
- Sharing a calculator with another student for a quiz or examination

You can find more information on academic integrity at https://www.deanza.edu/policies/academic_integrity.html

Disruptive Behavior:

The use of cell phones and other noise emitting devices is disruptive. Students must keep their cell phones and other noise making devices in the off-mode, and keep them off the desk and out-of-sight.

Disruptive behavior includes:

- Engaging in an activity not related to the classroom activity
- Eating or drinking during class
- Monopolizing discussion time
- Late arrivals or early departure

Tutoring

The Math, Science and Technology Resource Center (MSTRC) is located in S43 on the De Anza Campus, (408) 864-5422. Hours of operation: Monday - Thursday 9:00 am - 5:30 pm, Friday 9:00 am - 12:00 pm. The MSTRC provides free tutoring services such as drop-in tutoring, weekly individual tutoring, and group tutoring.

Student Success Center: <http://deanza.edu/studentssuccess/mstrc/>

Students with Disabilities

Students with disabilities who qualify for academic accommodations must provide a notification from the Disability Support Services (DSS) and discuss their specific needs with the instructor at the beginning of the quarter.

For information or questions about eligibility, support services or accommodations to disability (physical or learning disability) please contact Disability Support Services (DSS). DSS is located in Registration and Student Services Building, RSS Room 141. Phone number is (408) 864-8753; TTY (408) 864-8753. Email is dss@fhda.edu.

Disability Support Services: <https://www.deanza.edu/dss/>

Student Learning Outcome(s):

*Identify, evaluate, and utilize appropriate linear and probability optimization models and communicate results.

*Compare, evaluate, judge, make informed decisions, and communicate results about various financial opportunities by applying the mathematical concepts and principles of the time value of money.