



Math 11.47Z – Finite Mathematics
Meets: TTh, 6:30 PM to 8:45 PM
Online classes via Zoom

Winter 2021

Instructor: Lilit Mazmanyman	
Contact: mazmanymanlilit@fhda.edu	Office hours: Friday, 5:00 – 6:00 PM, online via Zoom (check Canvas course for instructions)

This is an online class and instructional method is **synchronous**. Lectures will be delivered online via Zoom during scheduled class times. Virtual breakouts will be used for group collaboration. Instructions how to connect Zoom lectures can be found on Canvas, which are accessible to you via **MyPortal** as you are enrolled in the course. You can also access Canvas using direct link (<https://deanza.instructure.com>) with your MyPortal login credentials. We will communicate via Canvas Inbox, discussion board, Zoom office hours, and emails. Check periodically Canvas announcements. Instructions to access WebAssign for online homework and Zoom for office hours can be found on our Canvas course.

Information about Canvas and Online Education Orientation can be found in Canvas on the Student Resources page: <https://deanza.instructure.com/courses/3382>. The Student Online Resources hub with extensive information and tips can be found at deanza.edu/online-ed/students/remotlearning.

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.

Requisites

- Prerequisite: Intermediate Algebra (MATH 109, MATH 114 or MATH 130) or equivalent.
- Advisory: EWRT 211 and READ 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 recommended.
- Microsoft Excel or graphing calculator is required to complete some assignments.

Homework (HW)	<ul style="list-style-type: none"> • HW will be assigned every week but they will not be collected nor graded • Quizzes and exams will include similar problems from your homework • Ask your homework questions before quiz and exam
Group Work (GW)	<ul style="list-style-type: none"> • GW will be assigned randomly during the class times • GW must be completed in groups of at least two and no more than four • Topics and details will be discussed in class
Quizzes (Q)	<ul style="list-style-type: none"> • Quiz is online based on classwork and homework. • 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 hour each and Final exam is two (2) hours. • EX 1, 2 & 3 and the FE dates are on the course schedule. • It is recommended to have ready one or two sheets of notes. • There are NO MAKE-UP examinations. • An absence from any examination earns a grade of zero (0). • You MUST take the final exam to pass the course. <p>Quizzes and Exams will be assigned via Canvas. Check the announcements and follow the course schedule on Canvas.</p>																																						
Grading	<p>Students will be graded on group works (GW), quizzes (Q), and exams (EX1, 2 & 3, FE).</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>Group Work</td> <td>10 %</td> </tr> <tr> <td>Quiz</td> <td>10 %</td> </tr> <tr> <td>Exam 1</td> <td>20 %</td> </tr> <tr> <td>Exam 2</td> <td>20 %</td> </tr> <tr> <td>Exam 3</td> <td>20 %</td> </tr> <tr> <td>Final Exam</td> <td>20 %</td> </tr> </tbody> </table> <p>Grading Scale</p> <table border="1"> <tbody> <tr> <td></td> <td></td> <td>A</td> <td>94-100</td> <td>A-</td> <td>90-93</td> </tr> <tr> <td>B+</td> <td>87-89</td> <td>B</td> <td>83-86</td> <td>B-</td> <td>80-82</td> </tr> <tr> <td>C+</td> <td>77-79</td> <td>C</td> <td>70-76</td> <td>D</td> <td>60-69</td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td>F</td> <td><60</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.</p>	Category	% Weight on Final Grade	Group Work	10 %	Quiz	10 %	Exam 1	20 %	Exam 2	20 %	Exam 3	20 %	Final Exam	20 %			A	94-100	A-	90-93	B+	87-89	B	83-86	B-	80-82	C+	77-79	C	70-76	D	60-69					F	<60
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Important Dates and Deadlines

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

Monday	January 4	First day of Winter Quarter 2021
Saturday	January 16	Last day to add classes
Monday	January 18	Last day to drop classes with no record of "W" Last day to drop classes for full refund or credit
Monday	January 18	Martin Luther King Jr. Holiday
Friday	January 29	Last day to request "Pass/No Pass" for 12-week classes
Friday-Monday	February 12-15	Presidents' Holiday
Friday	February 26	Last day to drop classes with "W"
Thursday	March 25	Final examination

Online Education Center

- [Student Resource Hub](#): Visit this site for tips, guides and answers to your questions about using Canvas, Zoom and other online learning tools that your classes may be adopting.
- [Staying Organized](#): This webpage has advice for planning and staying on top of your online coursework.

- [Canvas Help](#): Need technical support with Canvas? This page has information on how to get help.
- [More Student Resources](#): Visit this page for more links and tips.

California Virtual Campus

- [Get Ready for Online Learning](#): This website has videos about getting "tech ready," managing your time, communicating with instructors and more.

Student services and support

<https://www.deanza.edu/online-spring/#Services>

- Tutoring and Library Help
- Computers and Tech Products
- Internet Access
- Food and Financial Assistance
- Health and Psychological Services

Attendance, Drops or Withdrawals

- Regular online 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 a '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.

https://www.deanza.edu/policies/academic_integrity.html

Student Success Center

<http://deanza.edu/studentsuccess/mstrc/>

Hours of online Zoom Tutoring Center are Monday to Thursday 9:00-6:00 PM and Friday 9:00 AM-12:30 PM.

The SSC provides free tutoring services such as individual, drop-in, groups, in-class and workshops.

For individual tutoring, fill out a weekly individual application:

http://deanza.fhda.edu/studentsuccess/mstrc/weekly_ind.html

For group tutoring, contact to Helen at nguyenhelen@deanza.edu.

Disability Support Services

<https://www.deanza.edu/dsps/dss/>

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).

Phone number: (408) 864-8753

Email: dss@deanza.edu

Tentative Schedule

	Tuesday	Thursday
Week 1	January 5 Syllabus/Ch. Sections 1.1 & 1.2	January 7 Ch. Sections 1.3 & 2.1
Week 2	January 12 Ch. Sections 2.2 & 2.3	January 14 Ch. Sections 3.1 & 3.2 & 3.3 Quiz 1
Week 3	January 19 Ch. Sections 4.1 & 4.2	January 21 Ch. Sections 4.3 & 5.1 Quiz 2
Week 4	January 26 Ch. Sections 5.2 & Review HW 1	January 28 Ch. Section 5.3 Exam 1 (one hour): Chapters 1 to 4
Week 5	February 2 Ch. Sections 5.4 & A3	February 4 Ch. Sections 6.1 & 6.2 & 6.3 Quiz 3
Week 6	February 9 Ch. Sections 6.4 & 7.1	February 11 Ch. Sections 7.2 & 7.3 Quiz 4
Week 7	February 16 Ch. Section 7.4 & Review HW 2	February 18 Ch. Section 7.5 Exam 2 (one hour): Chapters 5 to 7.4 & A3
Week 8	February 23 Ch. Sections 7.6 & 8.1	February 25 Ch. Sections 8.2 & 8.3 Quiz 5
Week 9	March 2 Ch. Sections 8.4 & 8.5	March 4 Ch. Sections 8.6 & 10.1 Quiz 6
Week 10	March 9 Ch. Section 10.2 & Review HW 3	March 11 Ch. Section 10.4 Exam 3 (one hour): Chapters 7.5 to 10.2
Week 11	March 16 Ch. Sections 10.5 & 10.6	March 18 Review
Week 12	March 23 No Class	March 25 Final Exam (two hours): Chapters 1 to 10 6:15-8:15 PM

- Any change in schedule is announced during class and on Canvas. Students are responsible for keeping track of schedule changes.

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.