

Math 11.07Y - Finite Mathematics – Winter 2024

MATH 11.07Y / CRN 38508
Finite Mathematics
Winter 2024

Instructor and Contact Information

Instructor: LISA MESH

E-Mail: meshlisa@fhda.edu

Class Dates/Times: Monday - Thursday 10:30a – 11:20p in G2

Office Hours: MW in S-43B @ 11:30 – 12:30p

TR in S-55 @ 12:30 – 1:30p

Course Description:

This course includes application of linear equations, sets, matrices, linear programming, mathematics of finance and probability to real-life problems. It also includes an emphasis on the understanding of the modeling process, and how mathematics is used in real-world applications.

Course Outline of Required Topics: <https://deanza.edu/catalog/courses/outline.html?cid=mathd011>



Class Website / Canvas

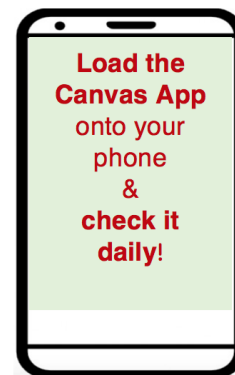
We'll be using CANVAS to manage our class documents and deadlines.

Our Canvas site will open 1/8/24 at 12:00a. (First day of Winter quarter.)

Your canvas connection should work, giving you access to all relevant course materials for our class.

If you know how to access Canvas, go to it! Otherwise, try the steps below.

- Go to MyPortal on the www.deanza.edu website.
- Click on the  link in the left-hand navigation on page then choose to enter the Canvas App. Choose "Login to De Anza Canvas Site"
- Once in  Canvas, click on our course: **W24 MATH D011 07Y Finite Mathematics**



Load the Canvas APP to your phone and check the CANVAS homepage daily.

Required Materials

- Our textbook is free and available for download from our Canvas site.
 - **eTextbook**: Applied Finite Mathematics, Rupinder Sekhon & Roberta Bloom
This is a free textbook and will be available for download through Canvas.
 - Our e-textbook and online homework are bundled for purchase online.
- **Calculator** – TI-84+ is preferred, but TI-83/Ti-83+ will also be supported for this class.
 - Bring one of these statistical graphing calculators to class each day.
 - TI-89 is acceptable, but not recommended or supported by me. (It's harder to use for this class than either TI-83 or TI-84.) If you choose to use this model for this class, it's your responsibility to learn on your own how to use it for this class as well as to download the Statistics List Editor programs into your calculator via the TI website using your own cable.
 - Cell phones or other devices cannot be used as a calculator on a quiz or exam.
 - Students cannot share calculators for quizzes or exams.
 - You can rent a calculator for the quarter from our library. Please check with them asap to snag one for a really good price.
 - *I cannot lend my calculator to anyone.*
- **Graph Paper, 4 spare AAA batteries (for your calculator), Ruler, Small Stapler**
- **3-ring binder and loose-leaf paper or notebook-** for keeping organized course notes.

Class Structure – In-Person 4 Days a Week (Mon – Thurs)

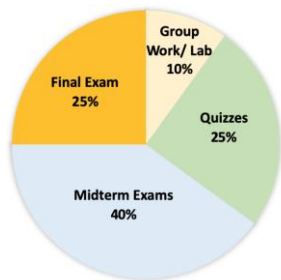
- 4 academic hours (50 minutes each) a week of our class will be in person and in class (G-2).
- 1 academic hour per week will be asynchronous. Each week, you'll have an online video and/or assignment for this portion of the class.

Class Conduct – Please read this.

- *Be respectful of others in class.* If you disrupt class, you'll be asked to leave the classroom and you may be dropped from the class.
- *Don't use cell phones during class time. Please stow them in your pack and turn them off.*
 - If your cell makes noise during a quiz or exam, points may be deducted from your grade. Repeated noise may result in instructor taking your paper early and asking you to leave.
 - No texting during class if you can possibly avoid it.
- Please *take out ear pods and take off earphones during class.*

Grades

Grades will be assigned as follows:



Grade	Percentage	Grade	Percentage
A+	At least 98%	B -	80% – 81%
A	92% – 97%	C+	78% – 79%
A -	90% – 91%	C	70% – 77%
B+	88% – 89%	D	60% – 69%
B	82% – 87%	F	Under 60%

Make up Policy

- There are no make-up quizzes or exams for this class. All quizzes and exams must be taken on the date they are scheduled for.
- The final exam date and time have been determined and mandated by the college.
- No early/late final exam may be scheduled. If you know that you are unable to take the final on the assigned date (listed in this syllabus), you must drop the class now.

Late Policy – Late classwork or labs will not be accepted.

Dropped/Replaced Grades

- Lowest Quiz grade will be dropped.
- Lowest Exam grade will be replaced by Final Exam grade if the Final Exam grade is higher than the lowest exam grade. (For further detail, see **Final Exam** details on p. 3.

Assignments

Homework:

To truly understand this material, you'll need to spend time with it and practice. With that in mind, to excel on exams and quizzes, you will need to not only do the assigned homework but will need to work additional exercises on your own.

Homework will be assigned daily but will not be collected or graded. Doing and knowing the homework material will be essential to pass weekly quizzes and exams.

Be careful to thoughtfully complete the homework; after you've completed an exercise, check the solution (mostly odds are in back of your textbook). DON'T check the solution *before* doing an exercise.

Math 11.07Y - Finite Mathematics – Winter 2024

Labs/Group Work (10% of course grade):

Groupwork and one lab will be assigned. These projects will be completed by groups of 2 or 3 students.

Quizzes (25% of course grade):

Quiz dates will occur on Thursdays, but may change as we progress through the quarter. Keep up with adjustments via calendar and announcements posted on Canvas. Some quizzes may include a take-home portion.

- One 8 x 11" sheet of paper one sided with no examples will be allowed on these quizzes.
- Note cards must be hand written and not photocopied.
- No staples or taped material is allowed on note pages.
- Note cards must be turned in with each quiz.
- Use of calculators will be allowed.
- No late or make-up quizzes will be given, but lowest score will be dropped.

Midterm Exams (40% of course grade):

We will have 2 or 3 *midterm exams through the quarter in addition to the final*. Midterm exams will occur approximately every 4 weeks and will last 50 minutes. We'll set each date firmly at least one week in advance.

- The mid-term portion of our course grade is 40%.
- For each exam, **one** page of your handwritten notes is permitted (8.5 x 11 inches), 2 sided.
 - These note pages will be collected with exams
 - *No late or make-up exams will be given. If you miss the exam, you'll earn a grade of 0.*

Because the final exam is cumulative, your final exam score can replace your lowest midterm exam score, even if it your lowest exam score is a zero.

Final Exam (25% of course grade): Thursday, 3/28/24 (9:15-11:15a)

The final exam will be 2 hours long, worth at least 25% of your final grade, and will be mandatory. It will be comprehensive and will include all material covered during the quarter. Taking the final exam is required for each student. *If a student doesn't take the final exam, they'll get a score of 0 on the exam.*

- Because the final exam will be longer than midterm exams, **two** pages of your handwritten notes are permitted (8.5 x 11 inches), 2 sided.
- Notes will be collected with exams for instructor to keep.
- If English is a second language (ESL), a print (not electronic) English translation dictionary is allowed for exams/quizzes.

Academic Integrity, Attendance, Cancellation and Accommodations

Academic Integrity:

Cheating and academic dishonesty aren't tolerated and can result in a grade of 0 or F for the assignment (quiz/exam/other assignment) or a grade of F for the course and referral to the Dean for academic discipline. Just don't do it. Any grade of 0 or F for dishonesty will be dropped and not replaced.

Cheating includes, but isn't limited to: copying from other students, permitting other students to copy from you, plagiarism, submitting work that isn't your own, using notes that don't meet permitted specifications, continuing to write/erase on an exam/quiz after permitted time has ended, changing your exam/quiz paper after it's been graded and then requesting a grading correction.

Math 11.07Y - Finite Mathematics – Winter 2024

Attendance:

This is a quick-paced, challenging course. It's expected that you attend all classes, arrive on time, and stay through the entirety of each class. If you don't, you'll find it difficult to keep up and catch up.

- *You must be in attendance of all classes during the first 2 weeks of this class to ensure that you are not dropped from the course.*
- We'll take attendance each day.
 - *If you are absent more than 5 times during the quarter, you may be dropped from the class.*
 - Tardiness and leaving early without excuse will count as ½ day's absence.
- *If you choose not to complete the class, it's your responsibility to drop/withdraw by the college deadlines.* If you stop attending, but don't withdraw, you may fail the course with a grade of F. Check college schedule deadlines to confirm deadlines shown in this syllabus.
- If you **do** miss a class after the first 2 weeks, catch up using several resources.
 - Get notes/catch up with another student.
 - First, read the textbook.
 - Secondly, get tutorial help.
 - After you've explored the first 2 pursuits, come to my office hours to get specific help if you have questions about the material.
- If you're late for a class, wait until after the class is over to get missed materials.
 - After the class is over, pick up any papers or handouts that you may have missed out on from the beginning of the class.
- If you must leave a class early, let me know before we begin the class that day.

Class Cancellation / Emergency:

If I need to cancel class or cannot attend, I'll e-mail you as soon as I can, using announcements via Canvas and/or email.

If class is canceled for any reason, or if an emergency causes campus to be closed, assume that any quiz, exam or due date scheduled on the date will be rescheduled to your next class meeting. If there are other changes, I'll announce them in the class after classes resume. Check the website and email; for notices/announcements.

In the event of an emergency during class that requires evacuation of the building, leave the class immediately, but calmly. In the event of an earthquake, take cover under your desk, making sure that your head is protected as best as possible. As soon as possible, evacuate the building. In the event of a local emergency not requiring evacuation, call 911 immediately.

Accommodations for Students with Disabilities:

If you have questions about these services or your eligibility for support services or eligibility, contact one of the following resources:

- Disability Support Service (DSS): Student Services Building (408) 864-8753, TTY (408) 864-8748
- Educational Diagnostic Center (EDC): Learning Center West 110 (408) 864-8839

Please speak with me privately after class or during office hours regarding your accommodations. All exams scheduled out of the classroom must be scheduled for a time period that at least overlaps class hours. Exams will not be authorized for vastly different time periods.

College Schedule & Deadlines

Math 11.07Y - Finite Mathematics – Winter 2024

JANUARY 15 Martin Luther King Jr. Holiday - no classes, offices closed

JANUARY 20 Last day to [add classes](#)

JANUARY 21 Last day to [drop classes](#) without a W

FEBRUARY 16-19 Presidents' Holiday - no classes, offices closed

MARCH 1 Last day to [drop classes](#) with a W

MARCH 25-29 Final exams

Our Final Exam will occur on Thursday, March 28, 2024, at 9:15 – 11:15a in our classroom (G-2).

If you have additional questions, consult Canvas and De Anza Academic Calendar online. online.

Tips for Success in our class.

- **Attend class and take notes.**
- Ask questions. You can always e-mail me or ask questions during discussions or office hours.
- Work the assigned homework exercises (+ others!) and share questions.
 - Expect to **spend at least 2 hours/day outside of class** doing homework and reading material.
 - Practice and self-testing will not only help you identify questions and areas that you will want to get help with, it's essential to pass this class.
- **Collaborate with other classmates**
 - We'll be working in groups.
 - Ask them questions and get their help if you miss a class.
 - *Form study groups* to help complete homework and address questions.
- **Get help** if you need it. Use resources in the Math, Science and Technology Learning Center
 - Resources can be accessed here. <http://deanza.edu/studentsuccess/servicesupdate.html>
 - For individual tutoring sessions, click here:
http://deanza.fhda.edu/studentsuccess/mstrc/weekly_ind.html
- **Attend office hours.** I'm happy to help, and I value your questions. If you have them, others will too.
- **If you don't understand a topic, get help soon. You have several options.**
 - Find a tutor in the Science/Math Tutoring center [located in S-43]
 - Consult another classmate
 - Use my office hours

Textbook Chapters Covered in our Course include the following:

- Chapter 1 – Linear Models (1.1 – 1.5)
- Chapter 2 – Matrices (2.1 – 2.4)
- Chapters 3 & 4 – Linear Programming: Geometric and Simplex Methods (3.1 – 3.3)
- Chapter 5 – Exponential and Logarithmic Functions (5.1 – 5.5)
- Chapter 6 – Financial Calculations (6.1 – 6.7)
- Chapter 7 – Sets and Counting (7.1 – 7.6)
- Chapters 8 & 9 – Probability (8.1 – 8.4, 9.1 – 9.3)
- Chapter 10 – Markov Chains (10.1 – 10.5)

Disclaimer:

Any of information in this syllabus is subject to change if the instructor finds it necessary. Changes will be announced during a class session and those who are absent will be held responsible for any announced changes to the syllabus.

Student Learning Outcome(s):

- Identify, evaluate, and utilize appropriate linear, probability, and 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.

Office Hours:

M,W	11:30 AM	12:30 PM	In-Person	S-43B
T,TH	12:30 PM	01:30 PM	In-Person	S-55