



**Math 11.05 CRN 11331 Finite Mathematics
Summer 2019**

**De Anza College
Instructor: Neelam R. Shukla**

Time and Days: 10:00 – 12:15 pm 4 days: MTWTh Room number: S45

Instructor and Contact Information:

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Office Hours: Morning: MTWTh: 9:30-10:00 am Office E 37

Math 11 is a demanding but rewarding class: To transfer to 4-year colleges and universities, UC and CSU require Math 11 to cover a wide spectrum of topics at the introductory level, and the course moves at a rapid pace.

- **Regular attendance is important** because of the variety of topics.
- **To master the material, expect to do a minimum of 10 hours per week of study outside of class.**
- **Please review your schedule to plan time for the work needed to succeed.**

Course outline - Official list of required topics: <http://ecms.deanza.edu/deptoutlinespublic.html>

Math Prerequisite: Math 114 Intermediate Algebra with grade of C or better; or equivalent placement

ADVISORY: EWRT 211 and READ 211 (or LART 211), or ESL 272 and 273.

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.

Text Book and Summary of Materials & Resources required for this class:

- **Textbook: Applied Finite Mathematics 3rd ed. 2016, by R. Sekhon/R. Bloom**

FREE pdf file online: Link to pdf file from website:

<http://www.deanza.edu/faculty/bloomroberta/math11>

or <http://www.deanza.edu/faculty/bloomroberta/documents/AppliedFiniteMath-3ed-Current.pdf>

If you prefer to use a print version of the textbook, it is available in print at the bookstore for about \$50 as a printed pdf file 3 hole punched, ready to put in a binder.

There is also a student supplement online with answers to odd numbered homework problems and answers to all end of chapter review problems.

<http://www.deanza.edu/faculty/bloomroberta/math11>

TI-83+ or TI-84+ calculator (more info

on page 2)

- Graph paper (1/4 or 1/5 inch squares), ruler, yellow highlighter

Bring To Class Daily: calculator, paper and graph paper, ruler, small stapler, highlighter

Important Dates: *Check online academic calendar to confirm & verify dates in case of change or error.*

No Class: Thursday July 4

Last day to Add: July 7

Last day to Drop - no W: July 8

Last day to Elect P/NP:

Last day to Withdraw (W): July 31

Last day of the class: August 8

College enforces all deadlines.

Math Final Exam: 8th August 2019 Thurs. 10:30 to 12:30 pm this is the college mandated official final exam date/time.

Calculator Required: TI-83, TI-83+, or TI-84+: Instructor demonstrates use of only the TI-83 & 84 families of calculators in class; any calculator in the TI-83 or TI-84 families of calculators are OK.

The instructor may provide calculator programs to assist in some types of calculations; if you use any calculator other than a TI-83 or 84 type of calculator, the instructor will not be able to provide you with a copy of the program and you will have to do longer, slower, more tedious calculations to complete the work.

- If your calculator is lost, stolen, broken, etc. it is your responsibility to obtain a calculator to use. Library Reserve has TI-83/84 calculators for limited loans.
- Cell phones or other devices can NOT be used as a calculator on a quiz or exam.
- Students can **NOT** share calculators for quizzes or exams. Instructor can NOT lend her calculator.

EDUCATIONAL ACCESS: Please see instructor during office hours to discuss your situation confidentially if you have accommodations; you should see the instructor during the first week of class or as soon as you receive approval from the appropriate support service.

For information about eligibility, support services or accommodations due to physical or learning disability see:

- Disability Support Service (DSS): www.deanza.edu/dss Location: SCS-141 (408) 864-8753; TTY (408) 864-8748
- Educational Diagnostic Center (EDC): www.deanza.edu/edc Location: LCW 110; (408) 864-8839
- Special Education Division:; www.deanza.edu/specialed (408) 864-8407

BE PREPARED: Your preparation affects your and other students' ability to learn in class.

Active learning and exploration of ideas are possible when students come to class capable and prepared. Such activities are designed to present material in a more accessible, intuitive manner with hands-on participation. If students are unprepared and therefore not able to participate, an activity may fail as a demonstration of the concept it is designed to illustrate, adversely affecting everybody's opportunity to learn. **Bring required materials daily and keep up to date to be able to participate in a constructive manner to class learning activities.**

RESPECT OTHER STUDENTS' RIGHT TO LEARN in an environment that supports learning.

- **Please save private conversations for before or after class so that all students can hear and pay attention during class.** No private conversations or disruptive behavior in class. Students disrupting class may be asked to leave the classroom or may be dropped from the class.
- **Turn off & put away cell phones & other devices before class:** if your device makes noise or disrupts class, it interferes with other students' ability to learn; the instructor may ask you to leave. If it makes noise during a quiz/exam, points may be deducted from your grade or the instructor may take your paper and ask you to leave.

GRADES

GRADES are based primarily on exams		Points	Approx. %	Minimum percentage needed to <i>guarantee</i> the indicated grade	
4 Exams		150	40%	A: 93% A-: 90%	
Final Exam (mandatory)		100	25%	B+: 87% B: 83% B-: 80%	
Quizzes <i>best 3 of 4 quizzes</i>		90	20%	C+: 76% C: 68%	
Other: Worksheets / Project / Graded Assignments		250	10% +5%	D: 58% F: under 58%	
Total points		500 points	100%		

HOMEWORK: READ THE TEXTBOOK - REVIEW CLASS NOTES - DO ASSIGNED PROBLEMS

Assignments for practice problems from the end of each chapter will be posted on the Canvas. <http://www.deanza.edu/faculty/bloomroberta/Math11AssignmentsResources.html> Answers to odd numbered homework problems and all review problems will be posted on the open website Math 11 home page <http://deanza.edu/faculty/bloomroberta/math11.html>

- You are expected to do all homework assigned, homework will be collected and graded.
- Quizzes will be based closely on homework to motivate students to do the homework and to assess understanding based on the homework.
- Do the homework with the goal of understanding so that you will be able to do similar problems on quizzes & exams.
Sometimes you need to struggle though a problem until the concept becomes clear – keep trying!
- If you have trouble with a concept or skill, come to the instructor's office hours or use the free tutoring available in the Tutorial Center in room S43 to get help.
- The instructor will answer homework questions in class to the extent that time permits.

QUIZZES: 5 quizzes ; 20 points each ; best 4 quizzes are counted ; total 80 points

Based closely on homework and classwork. Prepare for quizzes by doing homework and paying attention in class.

- Quizzes provide a way for students to assess understanding before an exam and provide a way for the instructor to assess students' understanding and identify areas of difficulty. Quizzes help motivate students to pace work on a timely basis instead of cramming before exams.
 - Grading depends on clarity of work, interpretations, accuracy and completeness of graphs, and explanations as well as numerical answers.
 - **IF YOU ARE ABSENT FOR A QUIZ: No Make-Up Quizzes – No exceptions!!** If you are absent for a quiz for ANY reason, you earn a quiz grade of 0. *One quiz grade of 0 for absence can be dropped as your lowest grade. However, try to avoid quiz absences as dropping a grade of 0 will mean you cannot drop some other low quiz grade.*
- **Bring a photo ID to all exams and quizzes.** The instructor may check ID for any student for any quiz or exam at any time throughout the quarter

STANDARDS OF WORK: College level work is expected; work is graded for both accuracy and quality of work.

- **Written work that is graded must be complete, neat, legible, organized, and in order.** If you are requested to show your work, then correct answers must be supported by correct work to receive credit; otherwise you may lose credit, even if the final answer is correct. If explanations or interpretations are requested, you can lose credit for missing, incomplete or incorrect interpretations and explanations.
- **For papers handed in :** Write full name/class time and staple (no folded corners); otherwise they may not be accepted or you may not receive credit; if pages of unstapled work come apart, it is considered incomplete.
- **Some labs and projects may require answers to be typed, not handwritten.**

ACADEMIC INTEGRITY: All students are expected to exercise academic integrity throughout the quarter.

- **Cheating and academic dishonesty are not tolerated and can result in a grade of 0 or F for that quiz/exam/assignment or a grade of F for the course and referral to the Dean for academic discipline.**
Any grade of 0 or F due to cheating or academic dishonesty will not be dropped or replaced.
- Cheating includes, but is not limited to: copying from other students, permitting other students to copy from you, plagiarism, submitting work that is not your own, using notes that do not meet permitted

specifications, continuing to write/erase on exam/quiz after the permitted time has ended, changing your exam/quiz paper after it has been graded and then requesting a grading correction. Using any electronic device other than your approved calculator on a quiz or exam may be considered cheating. Sharing a calculator with another student for exam/quiz is considered cheating as work may be saved in memory.

ATTENDANCE, DROPS, WITHDRAWALS: Regular attendance is important for success in math class as each day's work builds upon what came before. You are expected to attend all classes, arrive on time & stay for the entire class. Late arrival/early departures are disruptive to the class and to your classmate's learning. The instructor reserves the right to drop students who miss more than 5 classes during the quarter or who miss any classes in the first two weeks you. However the instructor may or may not perform such a drop/withdrawal.

College Policy: **If the student chooses not to complete the class, it is the STUDENT'S RESPONSIBILITY to drop or withdraw by the college deadlines.**

If you stop attending but do not withdraw or drop you may fail with a grade of F. *See deadlines on page 1 of syllabus and on college online academic calendar; the college strictly enforces these deadlines.*

- **Parking is difficult. Plan extra time** to avoid traffic and parking problems to avoid being late.
- **Get classmates' contact information so you can get notes and information.** Instructor will not repeat lectures during class, office hours, or any other time. If you are absent, read the textbook and go to the Tutorial Center first; come to office hours if you still have specific questions.
- **Check the website to find out about due dates or schedule changes.** You are responsible for keeping up and to be aware of any schedule changes even when absent.

COMPUTER ACCESS: This class requires several computer resources explained on pages 1 and 2.

- Library West Computer Lab has computers with internet access; located in the **LCW** building downstairs <http://www.deanza.edu/library/librarywestcomputer.html> (408-864-8761)
- Math/Science Tutorial Center in Room S43 also has some computers available for student use.

CLASS CANCELLATION, EMERGENCY:

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 that date will be rescheduled to our next class meeting. If there are other changes, I will announce them in class after classes resume. Check the website and email; if necessary and if possible, I may post a message.

IF YOU NEED HELP IN MATH 11

- **MATH TUTORIAL CENTER (S-43)** has **FREE DROP-IN TUTORING** for **MATH 11**.

Go to the Math 10 & 11 table to see if there are tutors for Math 11.

Math 11 tutors are often in short supply. Ask the staff at the desk when there are Math 11 tutors available; you can ask the names of the Math 11 tutors so you know who you are looking for. For some topics, help is available from other tutors as well. This is especially important for students who have gaps in their algebra background and need to put in some extra effort to catch up.

- Finite Math tutors (if available) can help with any topics in the course □ Most Precalculus tutors can help with chapters 1, 2, and 5 □ Most Statistics tutors can help with chapters 8 and 9.
- **FREE ONLINE TUTORING from SMARTTHINKING.COM** – available in MyPortal
Amount of online tutoring may be limited per student during the quarter.
- **SEE INSTRUCTOR DURING OFFICE HOURS**
Ask questions about material you need help with. Seeing the instructor during office hours is an important resource for help because there may be a shortage of tutors specifically for Math 11.

- **FIND A STUDY PARTNER OR FORM A STUDY GROUP.**

Working with somebody helps you understand material better. Work consistently through the quarter. Collaboration is easy: use phone, email, text, or chat if you can't study together in person. Find a study partner who is interested in **WORKING WITH** you, not somebody trying to earn their points based on your effort without their own similar effort.

- **DON'T WAIT UNTIL YOU ARE DROWNING TO GET HELP.**

Get help as soon as you have difficulty, while there is still time to catch up and improve! Classes taken on the quarter system move quickly; if you wait until you are behind, it will be difficult to catch up.

You probably need this class to transfer. Not doing work and/or not getting help early may endanger your transfer plans. Your transfer plans may be delayed if you don't pass Math 11.

- **PREPARE FOR EXAMS EARLY:** Do not leave it for the night before the exam or quiz!

Students who start studying several days early are more likely to succeed in this course. It can take several days to understand the material. And it takes a couple of nights of sleep for material you study to become set in your long-term memory. If you cram the day before, you may "blank out" when trying to answer exam questions, or may not recall the material quickly enough to finish in time.

CHECK THE CHAPTER RESOURCES PAGE for each chapter to see if there are any videos posted, or other helpful resources or information. Some chapters have links to videos to help with some of the skills. You can watch videos repeatedly if you need to in order to understand better.

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.