

DE ANZA COLLEGE

Math 11 – 27 (01534): Finite Mathematics

Date/Time: Tuesdays and Thursdays, 4:00 pm – 6:15 pm (E34)MQ2A

Instructor: Y. AuYOUNG

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Office Hours: TTh 12 – 12:45 pm (via e-mail auyoungatman@fhda.edu) and 12:45 – 1:15 pm (office E37a) and by appointment
(Note: For your protection, I do not release or discuss any personal info, including student grade, via phone or email)

This is a demanding, but rewarding class. If you cannot commit to a minimum of 10 hours per week of study, then you should take this class in a quarter when you have time to learn. This is a collaborative class and you will be expected to work with your classmates both inside and outside of class (no exceptions). You are encouraged to form study groups. Throughout the course, working collaboratively in groups and relating the material to the real world will be stressed. A scientific calculator (TI-83, 84) will be used. You must bring pencil, ruler, paper, calculator, and text to each class meeting. In this course, students will work on sets, Venn diagrams, probability, matrices, systems of linear equations, linear programming, game theory, and applications to business and social science.

Students Learning Outcomes (SLO): (1) Identify, evaluate, and utilize appropriate linear and probability optimization models and communicate results. (2) 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.

Prerequisite: Passing grade (C or Better) in Intermediate Algebra (Math 105 or Math 114) or Equivalent

Text: An open educational resource, available as a free pdf file at [Applied Finite Mathematics 3rd edition 2016 by Sekhon/Bloom](#). A printed pdf file is also available for students to buy.

TI Calculator Instructions: <http://www.ti.com/calc>

Student Conduct: You are required to participate in all class work. Any student disrupting class will be asked to leave. A student who refuses to leave the room will be dropped from the class and will be reported for further action.

Cheating will not be Tolerated. If anyone is caught cheating in any work (in class/take home), s/he will pay the consequences

Cell Phones: You must turn off you cell phones/smart phone or at least set in vibrate mode while you are in the classroom. If a cell phone/smart phone rings in class, the student will be asked to leave and this will count as a full class absence. If this should occur during a quiz, test or the final exam, the student will receive a zero grade for that test. Cell phone cannot be used as a calculator or for any reason/purpose in any quiz, test, or final exam.

Attendance: Class attendance is mandatory and can earn up to 20 points for perfect attendance. You are expected to present promptly each class and stay for the entire class. Coming late or leave early is irresponsible, impolite, and disruptive to your classmates and is not acceptable. Each absence, tardiness for any reason will result in a loss of 2 points. Arriving to class late or leaving early will be counted as half absent. You may be dropped for missing 2 classes without a reasonable excuse. You must attend each class in the first week of class or you will be dropped. If you miss a class, please work with a fellow student to keep up with class activity. You are responsible for reading the material on your own and for turning in all assignments that is due on the day you return to class.

Drop Policy: A student who discontinues coming to class and does not drop the course will receive an F. Should you stop attending, you will not be automatically dropped. **It is your responsibility to drop the class yourself.**

Homework: The purpose of homework is to help you learn the course material. It is your responsibility to read the text before each class and do the homework on a daily basis. You will be involved in a group with whom you may share your work. Required homework must be done daily and will be collected on the due date at the beginning of class. Grading will be on your effort, including neatness and completeness. In order to receive full credit, you must follow the guidelines as described in the first class meeting and must show how you arrived at the answer for each problem. **Turning in answers only work is not considered completing the assignment. Late or sloppy homework will not be counted.** Some of the problems on quizzes/tests will be very similar to the homework/classwork problems. Please keep up with the assignments daily. **If you cannot commit to 2 hours a day of study/homework, you are in the wrong class!** Collaborative effort on quizzes or tests, however, is not allowed. **Students who don't do homework do not succeed in math! Please keep up with the assignments daily.**

Projects: Projects are done in groups and use data collected by the group. **No make-ups or late papers will be accepted.**

Quizzes: Quizzes are closed book. Quizzes will test your understanding of the class material, and understanding and completion of homework problems. **The lowest quiz grade will be dropped.** Any quiz missed is marked as 0 point and **no make-ups.**

Tests: Tests are closed book. The lowest test grade will be dropped. Any test missed is marked as 0 point. **No make-ups.**

Final Exam: A two-hour comprehensive exam will be given on **Thursday, Dec 15.** Bring a brown scantron (form #2052)

Grade:	Quizzes (6@10)	: 50 (drop the lowest score)	A⁻: 506 – 532	A: 533 – 560	A+: above 560
	Tests (3 @100)	: 200 (drop the lowest score)	B⁻: 451 – 469	B: 470 – 488	B+: 489 – 505
	Attendance	: 20		C: 385 – 419	C+: 420 – 450
	Homework/Project	: 80 (Projects earn extra credits)	-----		
	Final Exam	: 200	D⁻ 334 – 351	D: 351 – 367	D+: 368 – 384
	Total	: 550	F: below 334.		

Math 11 – 27: Finite Math – Minimum Homework Cover Sheet

Name: _____ Row: _____ CID: _____

- **Work MUST be well-organized and neatly done in pencil** within the space provided by the book. No additional paper, except a few sections (for those sections, write your work/solutions on 8½ X 11 binder paper attach, by stapling them after the original questions pages from the book)
 - Graph must be neatly done on a **graph paper**, use a ruler, label both axes and mark the scale you used.
 - Problems and pages must be in their proper order, and pages of each chapter must be **stapled** or could not earn full credits
 - Place this coverage sheet and the stapled HW inside your **2-pocket homework folder**
 - On the due date, within the first 2 minutes before class starts, pass homework folders to the front row.
– **Late work** may earn only partial credit and **sloppy work** will earn no more than half of the credit
- Changes (assignment, if any, will be announced in class).**

H1: due Tuesday, Oct 4	H7 and H8: due Thursday, Nov 17	Test 1 (Ch 1 to 4): Tuesday, Oct 25
H2: due Thursday, Oct 13	H9: due Thursday, Dec 1	Test 2 (Ch 5 to 6): Tuesday, Nov 8
H3 and 4: due Tuesday, Oct 25	H10 and 11: due Thursday, Dec 8	Test 3 (Ch 7 to 9): Thursday, Dec 1
H5 and 6: due Tuesday, Nov 8	Ch 12: no homework	Final Exam: Thursday, Dec 15, 4 – 6 pm

	<u>Sect</u>	<u>Page#</u>	<u>Minimum Homework Problems</u>
(H1)	1.1	9	2, 4, 8, 9, 11, 12, 13, 14, 15
	1.2	15	4, 7, 8, 9, 10, 11, 13, 16, 17, 19, 20
	1.3	21	2, 4, 7, 10, 12, 14, 17, 18, 20, 22, 25
	1.4	27	1, 4, 7, 11, 12, 15, 18, 21
	1.5	35	4, 5, 7, 8, 9, 11, 13
(H2)	2.1	48	3, 4, 5, 6, 9, 13, 16, 17, 18, 20
	2.2	56	1, 3, 4, 5, 6, 7
	2.3	62	1, 5, 6, 7, 8, 9, 10, 11, 12
	2.4	69	2, 4, 5, 8, 9, 11, 12
	2.5	77	2, 3, 5, 7
	2.6	84	2, 3, 5, 8
(H3)	3.1	97	1, 3, 4, 6
	3.2	105	2, 3, 4
(H4)	4.1	109	no homework
	4.2	121	1, 3, 4
	4.3	127	1, 3, 4
(H5)	5.1	140	2, 7, 9, 12, 13, 14, 17, 18, 23, 24, 26, 28
	5.2	146	1, 3, 5, 8, 10, 12
	5.3	155	3, 7, 11, 12, 17 – 20, 22, 25, 28, 29, 33, 34, 37
	5.4	160	1, 2, 3, 4, 5 and 6 – 11
	5.5	172	1, 4, 6, 8, 11, 12, 13c, 13d
(H6)	6.1	181	3, 5, 6, 10, 15
	6.2	192	5, 6, 7, 9, 12, 13, 16
	6.3	199	3, 4, 8, 9, 11
	6.4	206	2, 3, 6, 8, 10
	6.5	215	1, 2, 3, 4, 5, 8, 9 – 10, 13, 16, 17
	6.6	223	1 – 10, 11, 13, 16, 20
(H7)	7.1	233	2, 3, 4, 7, 8, 11, 12, 14, 15, 16, 17, 19
	7.2	242	2, 4, 6, 8, 9, 12, 15, 16, 18
	7.3	249	2, 5, 7, 8, 10, 11, 12, 14, 16, 22
	7.4	256	1, 4, 6, 8, 10, 11, 13, 15, 16
	7.5	262	1, 4, 5, 7, 9, 11, 13, 15, 17
	7.6	268	2, 6, 9 – 12, 17, 18, 20, 23, 25, 27
	7.7	273	3, 4, 5, 6, 7, 9, 11, 12
(H8)	8.1	282	2, 3, 4, 6, 8, 10, 11, 13, 15, 17 – 20, 21, 23, 24, 26, 28, 33
	8.2	290	1 – 6, 8, 10, 11, 13, 15, 17, 19, 20, 21, 23, 24, 26
	8.3	299	1 – 4, 9 – 12, 13 – 18, 29 – 32, 33 – 34
	8.4	307	3, 4, 5 – 8, 9, 11, 13, 15 – 16, 21 – 26
	8.5	315	1 – 4, 6, 10, 12, 13, 15, 18, 20
(H9)	9.1	325	1, 2, 5, 6, 8, 9, 10, 11, 16
	9.2	332	1, 2, 3, 6, 7, 8, 9
	9.3	337	1, 3, 5, 8, 10, 11, 12, 14
	9.4	342	1, 2, 3, 5, 7, 10, 11
(H10)	10.1	354	1, 2, 3, 4, 5
	10.2	358	1, 2, 5
	10.3	367	1, 2, 3, 5, 6
	10.4	380	1, 2, 3, 4
(Group Project)	382	6 – 11 (group of 4)	
(H11)	11.1	388	1, 2, 3, 4
	11.2	394	1, 2, 3, 4
	11.3	398	1, 4, 6, 8

*De Anza College – Fall Quarter 2016
Math 11 Tentative Schedule (subject to be changed as needed)*

wk	Month	Monday	Tuesday	Wednesday	Thursday	HW/Quizzes/Test in this week
1	Sept	26 <i>Instruction Begins</i>	27 Greensheet <i>1.1 – 1.3</i>	28	29 <i>1.4 – 1.6</i>	<i>Read material before each class Begin HW and study daily, and starts calculator practices</i>
2	Oct	3	4 <i>2.1 – 2.3</i>	5	6 Quiz 1 <i>2.4 – 2.7</i>	Quiz 1 (Ch 1 – 2) <i>Last day to add: Sat (10/8)</i>
3	Oct	10	11 <i>3.1 – 3.3</i>	12	13 <i>4.1- 4.2</i>	<i>Last Day to drop with no record of Grade: Sun (10/9)</i>
4	Oct	17	18 <i>4.3 – 4.4</i>	19	20 Quiz 2 <i>5.1 – 5.3</i>	Quiz 2 (Ch 3 – 4) <i>Last day to request pass/no pass: Friday (10/14)</i>
5	Oct	24	25 T1 <i>5.4 – 5.6</i>	26	27 <i>6.1 – 6.3</i>	T1 (Ch 1 – 4)
6	Oct/ Nov	31	1 Quiz <i>6.4 – 6.7</i>	2	3 Quiz 3 <i>7.1 – 7.3</i>	Quiz 3 (Ch 5 – 6)
7	Nov	7	8 T2 <i>7.5 – 7.8</i>	9	10 <i>8.1 – 8.3</i>	T2 (Ch 5 – 6)
8	Nov	14	15 Quiz 4 <i>8.4 – 8.6</i>	16	17 <i>9.1 – 9.3</i>	Quiz 4 (Ch 7) <i>Last Day to drop with a “W”: Friday (11/18)</i>
9	Nov	21	22 Quiz 5 <i>9.3 – 9.5</i>	23	24 Thanksgiving Holiday	Quiz 5 (Ch 8 – 9) <i>Thanksgiving Holiday Recess (Nov 24 – 27)</i>
10	Nov/ Dec	28	29 <i>10.1 – 10.3</i>	30	1 T3 <i>10.3 – 10.5</i>	T3 (Ch 7 – 9)
11	Dec	5	6 Quiz 6 <i>11.1 – 11.2</i>	7	8 <i>11.3 – 11.4</i> Overall Review	Quiz 6 (Ch 10 – 11)
12	Dec	12	13 No Class	14	15 Final Exam <i>(4 – 6 pm)</i>	Final Exam (all chapters)
Reminder:		<i>6 Quizzes (drop the lowest score) from: Q1 (Ch 1 – 2) Q2 (Ch 3 – 4) Q3 (Ch 5 – 6) Q4 (Ch 7) Q5 (Ch 8 – 9) Q6 (Ch 10 – 11)</i>		<i>3 Midterm Tests (drop the lowest score): Test 1 (Ch 1 – 4) Test 2 (Ch 5 – 6) Test 3 (Ch 7 – 9)</i>		<i>a. 6 quizzes (drop the lowest score) b. 3 tests (drop the lowest score) c. 2-hour Final Exam (all chapters)</i>

** First Day of Winter Quarter Classes: Jan 9, 2017*