

DE ANZA COLLEGE

Math 11 – 27 (01534): Finite Mathematics

Date/Time: Tuesdays and Thursdays, 4:00 pm – 6:15 pm (MCC12)

Instructor: Y. AuYOUNG

Office: E37

Office Hours: TTh 12:30 – 1:00 pm (e-mail auyoungyatman@fhda.edu), 1:00 – 1:30 pm (office, classroom) and by appointment
(Note: For your protection, I do not release/discuss any personal info (including student grade) by 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.

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

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.

Related Materials: TI-83 PLUS (or 84) graphing calculator; **small stapler**; small pencil sharpener, no. 2 pencil and a **brown** scantron.(#2052)

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: In the classroom, you **must turn off all electronic devices, or set cell phones in vibrate mode**. If a cell phone/pager rings in class, the student will have 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/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 13**. 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: 352 – 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 9	_____ H7 and H8: due Thursday, Nov 15	Test 1 (Ch 1 to 4): Thursday, Oct 25
_____ H2: due Thursday, Oct 9	_____ H9: due Tuesday, Nov 27	Test 2 (Ch 5 to 6): Thursday, Nov 8
_____ H3 and 4: due Tuesday, Oct 23	_____ H10 and 11: due Thursday, Dec 11	Test 3 (Ch 7 to 9): Thursday, Nov 29
_____ H5 and H6: due Thursday, Nov 8	_____ Ch 12: no homework	Final Exam: Thursday, Dec 13, 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 2018
Math 11 – 27 Tentative Schedule (subject to be changed as needed)

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

** First Day of Winter Quarter Classes: Jan 7, 2019. Enjoy the Christmas and New Year Holidays.*

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.