Mathematics 212-44492
Elementary Algebra
Spring Quarter 2017
De Anza College

Instructor:	Robert Ramsey
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Lecture:	Mon thru Thu, 1:30 pm to 3:45 pm De Anza College, Main Campus Room E33
Office Hours:	Mon thru Thu, 12:30 pm to 1:30 pm De Anza College, Main Campus PSME Building, Room S33
Text:	Elementary Algebra: Concepts and Applications, 9/e Bittinger and Ellenbogen Textbook ISBN-13: 978-0-13-1874221
Publisher:	Pearson Prentice Hall
Prerequisites:	Qualifying score on the Math Placement Test within the last calendar year, or Mathematics 210 or equivalent with a grade of C or better.
Advisory:	English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.

About the Course: Learning algebra takes time and sustained, diligent effort. Math 212 is the first course in the algebra sequence that focuses on the study and applications of linear functions, quadratic functions, linear systems and solutions to problems. Emphasis is on the development of models of real world applications and interpretation of their characteristics. Expect to spend a minimum of eight hours per week, outside of the classroom, studying algebra. The topics include linear equations and inequalities, development and use of formulas, algebraic

expressions, systems of equations, operations on polynomials, factoring, graphs, and an introduction to quadratic equations.

Student Learning Outcomes (SLO):

• Student Learning Outcome: Evaluate real-world situations and distinguish between and apply linear and quadratic function models appropriately.

• Student Learning Outcome: Analyze, interpret, and communicate results of linear and quadratic models in a logical manner from four points of view - visual, formula, numerical, and written.

• Student Learning Outcome: Demonstrate an appreciation and awareness of algebraic applications in students' daily lives.

Course Objectives:

A. Develop, throughout the course as applicable, systematic problem solving methods

B. Explore the function concept algebraically, numerically, verbally and graphically

C. Explore the graphical and numerical characteristics of linear relationships and describe their meaning in the context of a problem

D. Develop linear function models to solve problems

E. Use systems of two linear equations to solve real world problems

F. Explore the graphical and numerical characteristics of quadratic relationships and describe their meaning in the context of a problem

G. Develop quadratic function models to solve problems

H. Use inequalities to solve real world problems

I. Investigate, throughout the course as applicable, how mathematics has developed as a human activity around the world

Study Group Information: To be arranged

Tests: We will cover chapter's one thru nine Bittinger-Ellenbogen Elementary Algebra, 9/e textbook. There will be one exam after every chapter, for a total of nine chapter exams, with your lowest exam to be dropped. Each exam will last approximately 50 minutes.

Homework: Homework is intended as a means of increasing every students' understanding, and as a means of mastering the course material. Successful completion of every homework assignment should not be interpreted, in and of itself, as sufficient effort to pass Math 212. Every student is required to register at www.coursecompass.com with the course i.d. ramsey63444. All homework assignments are completed online with the use of MyMathLab.

Quizzes: Quizzes will be completed online and in-class throughout the spring quarter. Quizzes online will be extra credit; whereas, quizzes in class will count towards your final in-class quiz grade. In class quizzes will be pop quizzes; however, expect approximately one pop-quiz per week.

Class Participation: Attendance during lecture is mandatory and leaving class early is highly discouraged. Successful performance in this course requires classroom attendance, completion of all in-class assignments, as well as homework, and serious effort on the exams and the final. Poor attendance and unruly or disruptive behavior will be reflected in said students' class participation grade.

Final: There will be a comprehensive final exam at the end of the spring 2017 quarter that will contain material from all chapters covered in the Bittinger-Ellenbogen Elementary Algebra, 9th edition, textbook. The final exam is Tuesday, June 27, 2017 from 1:45 pm to 3:45 pm in Room E-33.

Grading:

Chapter exams (8 @ 6.25% each)	50 %	
Homework	20 %	
Quizzes (In-Class)	10 %	
Quizzes (Online)	5 %	(Extra Credit)
Final Exam	20 %	
TOTAL	100 %	

Grades will be as follows

A	=	90.00 to 100.00%
B	=	80.00 to 89.99%
C	=	70.00 to 79.99%
D	=	55.00 to 69.99%
F	=	less than 55.00%

Academic Integrity: Any credible accusation of academic dishonesty, no matter how minor, will be investigated, and if found to be meritorious, will be dealt with severely. Students caught cheating will receive an F for that assignment and notice of said offense will be forwarded to the chairman of the department of mathematics and the Vice President for Academic Affairs for further punitive action.

Disruptive Behavior: Unruly or disruptive behavior, to include incessant talking, texting wile class is in-session, rude, profane, or vulgar language, threatening or violent behavior, and\or any form of disrespect, directed at the instructor or towards fellow classmates will be dealt with severely. Such behavior will result in the immediate and permanent removal of the offending individual from this course.

Note: TI-83, TI-84, or TI-89 Graphing Calculator(s) as well as other calculators are not permitted in the beginning of this course

Important Dates:

Monday, April 10 :: First day of Spring Quarter 2017

Saturday, April 22 :: Last day to add quarter-length classes. *Add date is enforced.*

Sunday, April 23 :: Last day to drop for a full refund or credit for all students (quarter-length classes only). Refund deadlines for all non quarter-length classes are in MyPortal, "View Your Class Schedule" link. *Drop date is enforced.*

Sunday, April 23:: Last day to drop a class with no record of grade. *Drop date is enforced.*

Friday, May 5 :: Last day to request pass/no pass grade. *Request date is enforced.*

Friday, June 2:: Last day to drop with a "W." *Withdraw date is enforced.*

Saturday - Monday, May 27-29 :: Memorial Day Weekend (no classes)

Monday - Friday, June 26-30 :: Spring Final Exams

Thursday, June 1 :: Last day to file for a spring degree or certificate

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Friday, June 30 :: Commencement Ceremony

	Monday	Tuesday	Wednesday	Thursday	Friday
1	April 10 First day of Class Syllabus Timeline Introductions	11 Chapter One	12 Chapter One	13 Chapter One	14
2	17 Chapter Two	18 Chapter Two	19 Chapter Two	20 Chapter Two	21 Apr 22 - Last day to Add Apr 23 - Last day to drop w/ refund Apr 23 – Last day to drop w/ no record
3	24 Chapter Three	25 Chapter Three	26 Chapter Three	27 Chapter Three	28
4	May 1 Chapter Four	2 Chapter Four	3 Chapter Four	4 Chapter Four	5 May 5 - Last day to request pass/no pass
5	8 Chapter Five	9 Chapter Five	10 Chapter Five	11 Chapter Five	12
6	15 Chapter Five	16 Chapter Five	17 Chapter Six	18 Chapter Six	19

7	22 Chapter Six	23 Chapter Six	24 Chapter Six	25 Chapter Six	26
8	29 Memorial Day Holiday	30 Chapter Seven	31 Chapter Seven	June 1 Chapter Seven	2 June 2 - Last day to drop with "W"
9	5 Chapter Eight	6 Chapter Eight	7 Chapter Eight	8 Chapter Eight	9
10	12 Chapter Nine	13 Chapter Nine	14 Chapter Nine	15 Chapter Nine	16
11	19 Review for Final Exam (Chapter's 1 & 2)	20 Review for Final Exam (Chapter's 3 & 4)	21 Review for Final Exam (Chapter's 5 & 6)	22 Review for Final Exam (Chapter's 7 & 8)	23
12	Final Exams 26	Final Exams 27 Math 225 Final Exam 1:45 pm to 3:45 pm	Final Exams 28	Final Exams 29	Final Exams 30
13	First day of Summer 3 Vacation	July 4	5	6	7
	10	11	12	13	14