De Anza College
Math 212: College Math Preparation Level 2: Beginning Algebra
Fall 2016, Section 24, CRN 01626

Course and Contact Information

Instructor:	Andrew Jianyu YU
Office Location:	E Squad, Room E37
Email:	andrewjianyu.yu26@gmail.com yujian@fhda.edu
Office Hours:	Monday: 1:00PM to 1:30PM Wednesday: 1:00PM to 1:30PM
Class Days/Time:	Monday & Wednesday 1:30PM to 3:45PM
Classroom:	Squad S, Room 34
Prerequisites: **Advisory:**	Prerequisite: Qualifying score on the Math Placement Test within last calendar year; or MATH 210 or equivalent with a grade of C or better. Advisory: EWRT 211 and READ 211 (or LART 211), or ESL 272 and 273.

Required Materials:

(#1) Blitzer, "Intermediate Algebra for College Students", 7th edition. Pearson, 2017

ISBN-10: 0134178947; ISBN-13: 978-0134178943

Technical Requirement:

(#1) Your email account: please check your email regularly. It is recommended to connect your email with your smart phone. I will try to email the plan for the upcoming week during weekend. You are encouraged to ask me any homework questions through email.

I reserve the right to modify any details on this syllabus, including the tentative calendar.

Course Description:
Application of linear functions, quadratic functions and linear systems to problems. Emphasis on the development of models of real world applications and interpretation of their characteristics.

Student Learning Outcome Statements (SLO)

- Evaluate real-world situations and distinguish between and apply linear and quadratic function models appropriately.
- Analyze, interpret, and communicate results of linear and quadratic models in a logical manner from four points of view – visual, formula, numerical, and written.
- Demonstrate an appreciation and awareness of applications in their daily lives.

Attendance:
Attendance to all class sessions is required. After 2 days of absences your grade may be lowered or you may be dropped from the class; however, it is your responsibility to officially drop the course should you decide to do so. You need to sign your name on a sign-in sheet during every class. Please understand that you must attend every class to avoid falling behind. If you did not attend a class meeting, then you are responsible for learning all the materials being covered in class by yourself. Most importantly, if you get caught for signing the attendance sheet for your classmates, then you and your classmates will be marked as absent on that day.

Office Hours
Think of the office hours as free tutoring for homework problems and to catch up with class material. It is also an excellent opportunity to get to know your fellow classmates and your instructor. If you come to the office hours to ask questions on the homework problems, please come prepared. I expect that you have thoroughly read the problem and at least attempted to solve it yourself. Please feel free to ask questions any time before or after class, as they may be of interest to other students.

Homework: 50 points each, 20% of your semester grade.
The weekly homework assignment is due every Monday. **Please submit your homework in the beginning of class. Your lowest homework score will be dropped. Please circle your final answers. Late homework is not accepted. The score of late homework is zero.** Only the selected problems will be graded. Please show all of your work; otherwise your homework will not be graded. You are encouraged to discuss homework assignments with other students, but you must write up your solutions independently. Copying answers to homework problems from other people or other sources (including the internet) is not acceptable. You are expected to turn in completed solutions - show your work on all steps. Ask questions in class and during the office hours. Do not wait until the day before an assignment is due to start working on it. **PLEASE STAPLE ALL SHEETS TOGETHER. If you write your homework in your notebook, please remove the left margin before you submit your homework. Points will be deducted if your homework does not satisfy two conditions mentioned above.**

Quizzes: 30% of your semester grade.
A weekly quiz will be given at the due date of the weekly homework. I will give the quiz during the last 10 minutes of class. Quiz problems are very similar to homework problems. All the quizzes are closed book and closed notes. You are allowed to use a calculator on the quiz. Please circle your final answers. **No make-ups quizzes will be given. Your lowest quiz score will be dropped.**

Midterm: 30% of your semester grade. (There are 2 midterms in this semester)
All exams are closed book and closed notes. You are not allowed to use any electronic devices except for a non-graphing calculator. If necessary, a formula sheet will be provided. Midterm date will be announced at least one week in advance. Practice midterm will be given. There will be no make-ups for missed exams after the exam has been given. However, prior to an exam, rescheduling arrangements may be considered for illness and other special circumstances. **You are not allowed to share calculators during midterm.**

Final Exam: 20% of your semester grade.
Final exam is cumulative. It covers all the materials being covered in this semester. This is a closed book and closed notes exam. You are not allowed to use any electronic devices except for a calculator. If necessary, a formula sheet will be provided. There will be no make-ups for missed exams after the exam has been given. However, prior to an exam, rescheduling arrangements may be considered for illness and other special circumstances.
You are not allowed to share calculators during final.

Chapters and Topics to be Covered:
Chapter 1: Algebra, Mathematical Models, and Problem Solving
Section 1.1: Algebraic Expressions, Real Numbers, and Interval Notation
Section 1.2: Operations with Real Numbers and Simplifying Algebraic Expressions
Section 1.3: Graphing Equations
Section 1.4: Solving Linear Equations
Section 1.5: Problem Solving and Using Formulas
Section 1.6: Properties of Integral Exponents

Chapter 2: Functions and Linear Functions
Section 2.1: Introduction to Functions
Section 2.2: Graph of Functions
Section 2.3: Algebra of Functions
Section 2.4: Linear Functions and Slope
Section 2.5: The Point-Slope Form of the Equation of a Line

Chapter 3: System of Linear Equations
Section 3.1: System of Linear Equations in Two Variables
Section 3.2: Problem Solving and Business Application Using Systems of Equations.

Chapter 4: Inequalities and Problem Solving
Section 4.1: Solving Linear Inequalities
Section 4.2: Compound Linear Inequalities

Chapter 5: Polynomials, Polynomial Functions, and Factoring
Section 5.1: Introduction to Polynomials and Polynomial Functions
Section 5.2: Multiplication of Polynomials
Section 5.3: Greatest Common Factors and Factoring by Grouping
Section 5.4: Factoring Trinomials

Section 5.5: Factoring Special Forms
Section 5.6: A General Factoring Strategy
Section 5.7: Polynomial Equations and Their Applications

Chapter 7: Radical, Radical Functions, and Rational Exponents
Section 7.1: Radical Expressions and Functions
Section 7.7: Complex Numbers

Chapter 8: Quadratic Equations and Functions
Section 8.1: The Square Root Property and Completing the Square
Section 8.2: The Quadratic Formula
Section 8.3: Quadratic Functions and Their Graphs

Grading Rubrics:
Your semester grade will be assigned in the following standard:

A: 100% to 92%	A-: 91% to 90%	
B+: 89% to 86%	B: 85% to 82%	B-: 81% to 80%
C+: 79% to 74%	C: 73% to 70%	
D: 69% to 60%	F: below 60%	

Catalyst Website: https://catalyst.deanza.edu
De Anza's online course management system: access to course materials, syllabus, schedule, announcements, assignments,

- Follow onscreen QUICK LOG IN instructions. After your first log-in, change your password.
- Only students registered in this class can login.
- If adding, ADD IMMEDIATELY to get Catalyst access in 24 to 48 hours.
- Need help logging into Catalyst? Use tech help links on Catalyst site for assistance directly from their support staff.

Lecture notes, homework, homework solutions, quiz solutions, exam solutions, and syllabus are available on Catalyst.

Academic Integrity

- Please be honest. DO NOT copy other people's work.
- If you cheated and get caught during the quiz and exam, I will give you a zero on that assignment. Here are examples of cheating.
- Looking or copying other classmates' answers during the test.
- Passing a slip of paper to your classmate.
- Using your cellphones to browse on Internet or reading the pictures of your notes, homework, or any other resources.
- Please leave your cellphone on my table if you want to go to the restroom.

Classroom Discipline:

- Please be on time.
- If you plan to leave early, please sit close to the door.
- DO NOT use your cellphone during class.
- DO NOT use your computer during class unless you are being asked to do computations in your computer.
- Please respect your classmates at all times.
- Please do not have any conversations with your classmates when I am lecturing. You need to understand that an effective communication means two people cannot be talking at the same time.

Available Support Services:

There are two tutorial centers on the De Anza campus. S-43 provides tutoring for Math and Science, and L-47 for everything else. Drop-in tutoring is always available. Individual tutoring is also available. You must complete a form, provided by the Tutorial Center, during the first couple weeks of the quarter to obtain one-on-one tutoring.

Academic Adjustments for Students with Disabilities:

In coordination with the Disability Support Services, reasonable accommodation will be provided for eligible students with disabilities. For more assistance, please contact the DSS Student Community Services Building, Room 141 or call 408-864-8753. Note that they offer Testing and Tutoring Services are now located in LCW 110.

Class Conduct Policy:
Students are responsible for adhering to the Code of Student Conduct outlined in the De Anza College Catalog and the De Anza Student Handbook, available online.
Students who engage in disruptive behavior—conduct that interferes with the instructional, administrative, or service functions of the course – can be subject to disciplinary action, including suspension and/or expulsion from the course and/or college. Specifically, cell phone interruptions, the use of iPods, habitual profanity or vulgarity, and continued willful disobedience will result in disciplinary action.

Expected Preparation for Class:
Students must come to class with the required assigned texts/textbook(s) each class period, and they must come prepared with all work completed, as assigned. Students should plan to spend a minimum of two hours outside of class for each hour spent in class to learn and make satisfactory progress in the class.

Attendance, Drops, Withdrawal:
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 Policies:

- 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.
- You are responsible for keeping up and to be aware of schedule changes even when absent. Get classmates' contact information so you can get notes and information. Check Catalyst to find out about due dates or schedule changes.

- 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.

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

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.

Important Dates to Remember (De Anza College Academic Calendar):

Date	Event
Monday, September 26	First day of Fall Quarter 2016
Sunday, October 9	Last day to drop for full refund or credit (for 12-weeks, quarter-length classes). Last day to drop for a refund/credit for all other classes is listed inside MyPortal, on the Students Tab under "View Your Class Schedule.' Drop date is enforced.
Friday, November 11	Veterans Day (classes will be held on Nov. 12)
Thursday to Sunday November 24 to 27	Thanksgiving Holiday Recess (college closed) **We have class on Wednesday.**
Saturday, Dec 10 to Friday December 16	Final Exams **Our Final Exam Date: Monday December 19**
Friday, December 16	Last day to file for a fall degree or certificate.
Friday December 16	Last day of Fall 2016 Quarter

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Tentative Calendar

Monday	Wednesday
September 26 Syllabus, Section 1.1, 1.2	September 28 Section 1.3, 1.4
October 3 Section 1.5, 1.6	October 5 Section 2.1, 2.2
October 10 Section 2.3, 2.4	October 12 Section 2.5, 3.1
October 17 Section 3.2 + catch up	**October 19 Midterm #1 Review**
October 24 Midterm #1	October 26 Section 4.1, 4.4
October 31 Section 5.1, 5.2	November 2 Section 5.3, 5.4
November 7 Section 5.5, 5.6	November 9 Section 5.7
November 14 Midterm #2 Review	**November 16 Midterm #2**
November 21 Section 7.1	November 23 Section 7.7
November 28 Section 8.1, 8.2	November 30 Section 8.3
December 5	December 7
December 12	**December 14 (Last Day of Instruction)**
December 19 FINAL EXAM 1:30PM to 2:30PM, S34	

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