Math 212-02: Beginning Algebra
De Anza College – Fall 2017

Textbook: **Blitzer Intermediate Algebra for College Students 7th edition**

Class Meetings	Instructor	Email	Office Hours
MTWThF 8:30 – 9:20 MLC112	Dr. Ning Lu	luning@fhda.edu	TT 9:25-9:55 TBD

Prerequisite
Qualifying score on Math Placement Test within the last calendar year or Math 210 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.

Student Learning Outcome
- 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.

Course Materials and Resources
- Textbook: *Intermediate Algebra for College Students,* 7th edition, by Robert Blitzer.
- Bring to class: **Textbook (hardcopy) is required** for every class. You should also bring notebook, pencil, eraser, red pen, and ruler. * No calculator.
- Canvas (login from MyPortal): Grades and class announcements will be posted on Canvas. Check Canvas every week to be current with the class.
- Office Hour: Held twice a week on Tuesday and Thursday. If you need to see the Instructor in his office hour, please check in before the end of the class of that day.

Build Your Study Habits
Math 212 is incredibly challenging to some and relatively easy to some others depending on your previous learning. This is great opportunity for you to restart and reset you on the path to success in subsequent algebra and college math courses. Be sure to put yourself in the best position to succeed by having great study habits. Below is a list of suggested tasks.
- Be prepared to study outside of class, preview each lesson by skimming or reading the lesson for 10-15 min before each class (READ THE BOOK)
- Attend every class:
    - Take notes and ask questions
    - Work with classmates during the classwork portions of class
- Practice, practice, and practice…….Practice is the best teacher!! Review your notes after class, making sure you have understood the material before doing your homework.

Grade
Your grade in this course will be based on homework, class attendance and participation, three tests and a comprehensive final exam, calculated as follows:

Class Attendance 20 points	Lowest percentage for:
Class Participation 10 points	A+ : 95% A : 90% A- : 85%
Homework 20 points	B+ : 80% B : 75% B- : 70%
3 Tests 30 points	C+ : 65% C : 60%
Final Exam 20 points	D : 50%
Total 100 points	F : 0%

Homework (10 assignments x 2 points)
Homework is assigned each class and should be turned in at the beginning of the following Monday class. Late homework will NOT be accepted. Homework must be **self-corrected** and is graded based on completeness, efforts, neatness, and corrections you made. Start each section on a new page and write the section number on the top of the page. Make sure to order and staple all pages, without any "fringes", and write your name on the top-right corner of the first page.

Class Participation (1 points x 10, plus 10 points extra credit)
Students are required to share their work of the in-class assignment on board during the correction time. Students will earn 2 points for each sharing and each student should participate at least 7 times for the quarter, (i.e. about once every 3 class meetings.) After the required participation, students can earn 1 extra credit for each additional sharing up to 10 times for the quarter.

Tests (10 points each)
There will be three 1-hour tests during the quarter. All tests and exam will be closed book and no calculator will be allowed. NO make-up tests will be given. A missed test will receive a zero score. The only exception is that if you missed a test due to emergency, then, with supporting documentation, that one test score will be replaced by your final exam score (scaled to 10). The emergency exception will apply only once, and any other missed tests will receive zeros.

Final Exam (20 points)
A comprehensive 2-hour final exam will take place in **12/13 Wednesday 7:00-9:00am.** NO make-up exam will be given. You must take the final exam to pass the course.

Drop Policy
Attendance is integral to your success in this course. Per school policy, any student absent in the first week will be dropped from the class. After that, it is your responsibility to drop the class. A student who stops coming to class and does not officially withdrawal from the course will receive an 'F'. No incomplete grade will be assigned.

Academic Integrity
All students are expected to exercise high academic integrity throughout the quarter. You are encouraged to work together but simply copying down answers from another student is not only wrong, but will not contribute to your learning. Any instances of cheating or plagiarism will result in disciplinary action, which may include getting a zero on the assignment/test/exam, report to the PSME dean, which may lead to dismissal from the class or the college.

Classroom conduct
- Attendance: Student attendance is vital to the success in this class. Students are expected to attend all classes, including to arrive on time and to stay for the whole class. Any student being absent will receive a zero grade for the in-class assignment of the day. Any tardiness or leaving early of 5 minutes or more will result in receiving only half of the credit for the assignments, if all assignments are completed. (Zero grade if not completed.)
- Electronic Devices: Cell phones should be turned off or to silent during class and be **put away** at all time. There is a zero tolerance cell phone policy in this class. If you have a cell phone or other similar device out during class for any reason, you may be asked to leave class. Other electronic devices, such as laptops or tablets are also not permitted in class. Any accessories, such as earphones, should be put away as well. Texting is definitely not allowed during class. Any visible cell phone or electronic devices during class time will result in a zero for the homework and in-class assignment turned in that day. If it's during a test or exam, then it will result in a zero for the test/exam, which cannot be made up.

Tutoring
Get help as soon as you have a tiny difficulty. If you wait until you are behind, then it will become very difficult to catch up.
- The Math, Science, and Technology Resource Center (S43) provides free math tutoring services. (www.deanza.edu/studentsuccess/mstrc/)
- The Student Success Center (www.deanza.edu/studentsuccess/onlinetutoring/) has information of free online tutoring for De Anza students.

Students with Disability
For information or questions about eligibility, support services or accommodations to disability (physical or learning disability), contact Disability Support Services (DSS). DSS is located in Student Community Services Building, Room 141.
Phone number is (408) 864-8753; TTY (408) 864-8753.
Disability Support Services: https://www.deanza.edu/dss/

Tentative Calendar

Week	Lecture	Note
W1: 9/25 – 9/29	1.1-1.6	
W2: 10/2 – 10/6	2.1-2.5	
W3: 10/9 – 10/13	3.1, 3.2	**10/10 Tue: Test 1** (Chap 1,2)
W4: 10/16 – 10/20	3.3, 3.4, 3.5	
W5: 10/23 -10/27	4.1, 4.3, 4.4	
W6: 10/30 – 11/3	5.1, 5.2	**10/31 Tue: Test 2** (Chap 3,4)
W7: 11/6 – 11/10	5.3, 5.4	
W8: 11/13 -11/17	5.5, 5.6, 5.7	
W9: 11/20 -11/22	7.1	**11/21 Tue: Test 3** (Chap 5)
W10: 11/27 -12/1	7.7, 8.1	
W11: 12/4 -12/8	8.2, 8.3	
W9: 12/11 -12/15	**Final Exam**	**12/13 7:00am-9:00am**

Section	Title
1.1 – 1.2	Algebraic Expressions
1.3 – 1.4	Graphing and Solving Equations
1.5	Problem Solving and Using Formulas
1.6	Properties of Integral Exponents
2.1 – 2.3	Introduction to Functions, Graphs of Functions, Algebra of Functions
2.4	Linear Functions and Slope
2.5	The Point-Slope Form of the Equation of a Line, (parallel and perpendicular slopes)
3.1	Systems of Linear Equations in Two Variables
3.2	Problem Solving and Business Applications Using Systems of Equations
3.3	Systems of Linear Equations in Three Variables
3.4 – 3.5	Matrix Solution, Determinants and Cramer's Rule
4.1	Solving Linear Inequalities
4.3	Equations and Inequalities Involving Absolute Value
4.4	Linear Inequalities in Two Variables
5.1	Introduction to Polynomials and Polynomial Functions
5.2	Multiplication of Polynomials
5.3	Greatest Common Factors and Factoring by Grouping
5.4	Factoring Trinomials
5.5	Factoring Special Forms
5.6	General Factoring Strategy
5.7	Polynomial Equations and Their Applications
7.1	Radical Expressions and Functions
7.7	Complex Numbers
8.1	Square Root Property and Completing the Square
8.2	The Quadratic Formula
8.3	Quadratic Functions and Their Graphs

Homework Assignment

Due date	Assignment	Note
10/2	1.1 1-63[x3,x7], 65-77[odd] 1.2 1-127[x3,x7] 1.3 1-37[x3,x7] 1.4 1-65[x5] 1.5 17,19,23,27 1.6 1-123[x3,x7]	x3 = 3, 13, 23, 33, 43, …
10/9	2.1 1-23[odd] 2.2 11-39[odd] 2.3 1-49[odd] 2.4 1-61[x1,x5,x9] 2.5 29-55[x1,x5,x9]	
10/16	3.1 1-81[x1,x5,x9] 3.2 1-35[x1,x5,x9]	
10/23	3.3, 3.4, 3.5	
10/30	4.1 1-31[x1,x5,x9] 4.3 1-80[x3, x7] 4.4 1-47[x1,x5,x9]	
11/6	5.1 1-19[odd], 29-47[odd] 5.2 1-97[x1,x5,x9]	
11/13	5.3 1-67[x1,x5,x9] 5.4 1-91[x1,x5,x9]	
11/20	5.5 1-94[x1,x5,x9] 5.6 1-67[x1,x5,x9] 5.7 1-49[x1,x5,x9]	
11/27	After Thanksgiving weekend	
12/4	7.1 1-19[odd], 33-75[x1,x5,x9] 7.7 1-31[x1,x5,x9] 8.1 1-21[odd]	
12/13	8.2 1-63[x1,x5,x9] 8.3 1-43[odd]	