De Anza College

COURSE: Math 212. – 63, (01312)   Spring, 2017
        College Math Preparation Level 2: Beginning Algebra   5 Units.
DAY: Monday, Wednesday   **INSTRUCTOR**: Mr. Chris Tsuji
TIME: 6:30 P.M. – 8:45 P.M.   **ROOM**: MLC260
Office Info: 5:45 P. M. –6:15 P. M. Monday, Wednesday   **Office:** E-37

Preferred method of contact: E-mail: tsujichristie@deanza.edu
        Type **Math 212** in Subject line if you want a reply.
Website: http://faculty.deanza.fhda.edu/tsujichristie/
Check the website frequently for additional information and up-to-date info.

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

Prerequisites: Qualifying score on the Math Placement Test within last calendar year; or Mathematics 210 with a grade of C or better, or equivalent. Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273.

Text: Intermediate Algebra for College Students, 7th edition by Robert Blitzer.

Materials: Scientific Calculator, or graphic calculator, pencil, paper, graph paper, 3" x 5" cards.

Time commitment: According to the college catalogue, page 35, "Students should expect two hours of outside preparation for each one hour spent in class." Since the class meets 4 + hours a week, it is expected a minimum of 8 hours a week should be spent on this class. Mastery of the material should determine by how much time you spend, not the clock.

Attendance: Regular and punctual attendance is expected of each student. Students will be allowed **three absences**. On the fourth absence, the student should complete the paper work for a drop or a grade of F could be given for the quarter.

Every absence after the third will result in the deduction of one percentage point from your final grade percentage in the class. It is your responsibility to sign the attendance sheet.

If you miss class during the first two weeks, you will be dropped to make room for the wait list students. Add codes will be given on the second-class meeting.

Difficulties that could cause attendance problems should, at your initiative, be discussed with the instructor as early as possible.

If you decide to discontinue with the course, it is your responsibility to drop. You must officially drop on or before March 3rd. If you are on the final report form, you will receive a grade.

Assignments: Assignments are to be attempted on a class-to-class basis. Time will be set at the beginning of each class to answer questions from the assignments. Write your question(s) on a 3-inch by 5-inch card and turn in at the beginning of class. Each assignment is 5 points. There are 26 assignments, 24 will count.

All assignments are on the Internet using MyMaathLab: www.pearsonmylab.com. Since the assignments are online, you do not have to turn in anything. Scores will be obtained from the website.

The access code is obtained when the book is purchased or purchased online.
The name of the course is: Math 212 Spring 2017.
The course ID: tsuji61655

The problems assigned are not intended for mastery of the topic. More problems should be done from the book to master the topic of the assignment.

Check the website for the list of assignments and the due dates.

One should read the sections in the book that will be covered before class.
Quizzes: Quizzes will be based on the assignments and topics covered in class. You must be in class to take the quiz. There will be 17 class quizzes, 15 will count. Take home quizzes will be emailed before each exam for a review. If you do not get this quiz a week before the exam, notify the instructor. Class quizzes are 10 points each and the take home quizzes are 15 point each.

Exams: There will be four exams, each worth 100 points. Check the web site for the dates of the exams and other information.

Final Exam: A comprehensive **Final Exam** will be given on **Wednesday, June 28 from 6:15 P.M. – 8:15 P.M.** The final examination must be taken to receive a grade in the class. 200 points.

Make-Up: There are **no** make-ups for missed exams or quizzes. Exams and quizzes missed will be scored 0.

Cheating: Cheating will not be tolerated. If caught, then a grade of F will be assigned for the quarter and the division dean will be notified.

Finished: If you leave the classroom after a quiz or exam is distributed, then you are finished.

The use of cell phones, cameras, texting devices or any other **unauthorized electronic** devices are not allowed in class.

Student Learning Outcomes for Math 212
The Mathematics Department at DeAnza College has established the following outcomes for Math 212:
1. Evaluate real-world situations and distinguish between and apply linear and quadratic function models appropriately.
2. Analyze, interpret, and communicate results of linear and quadratic models in a logical manner from four points of view –visual, formula, numerical, and written.
3. Demonstrate an appreciation and awareness of applications in their daily lives.

Evaluation: Grades will be determined as follows

Assignments	120 points	A: 850 - 945 points (90%)
Exams	400 points	B: 756 - 849 points (80%)
Quizzes	150 points	C: 661 - 755 points (70%)
Take home quizzes	75 points	D: 567 - 660 points (60%)
Final Exam	200 points	F: 0 - 566 points
Total	**945 points**	

NOTE:
- Quizzes, examinations should be done in pencil.
- Be on time.
- Ask questions.
- Start a study group. It helps.
- Do not wait until it is toooooo late. Ask for help.
- There is NO extra credit. Do not ask.

Special, Important Dates:
Saturday, April 22. Last day to add.
Sunday, April 23. Last day to drop with no grade of record.
Monday, May 29. Holiday, Memorial Day
Friday, June 2. Last day to drop with W.
Wednesday, June 28, 6:15 P.M. – 8:15 P.M. Final Examination.

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This is a tentative schedule. The instructor has the right to modify if necessary.

assigned	Section	and Topic	due	#	
4/10/17	1.1	Algebraic Expressions, Real Numbers, and Interval Notation		1	
	1.2	Operations with Real Number, Simplifying Algebraic Expressions		2	
4/12/17	1.4	Solving Linear Equations		3	q1
	1.5	Problem Solving and Using Formulas		4	
4/17/17	1.6	Properties of Integral Exponents	4/23/17	5	q2 h1
	2.1	Introduction to Functions		6	
4/19/17	2.2	Graphs of Functions		7	q3
	2.3	Algebra of Functions		8	
4/24/17	**Exam 1**	Chapter 1			
4/26/17	2.4	Linear Functions and Slope		9	q4
	2.5	The Point-Slope Form of the Equation of a Line	5/3/17	10	
5/1/17	3.1	Systems of Linear Equations in Two Variables		11	q5
	3.2	Problem Solving		12	
5/3/17	4.1	Solving Linear Inequalities		13	q6 h2
	4.4	Linear Inequalities in Two Variables	5/9/17	14	
5/8/17	5.1	Introduction to Polynomials and Polynomial Functions		15	q7
	5.2	Multiplication of Polynomials		16	
5/10/17	**Exam 2**	Chapters 2, 3, 4			
5/15/17	5.3	Greatest Common Factors and Factoring by Grouping		17	q8
5/17/17	5.4	Factoring Trinomials		18	q9
	5.5	Factoring Special Forms		19	
5/22/17	5.6	General Factoring Strategy		20	q10
5/24/17	5.7	Polynomial Equations and Their Applications	6/4/17	21	q11 h3
5/31/17	7.1	Radical Expressions and Functions		22	q12
6/5/17	**Exam 3**	Chapter 5			
6/7/17	7.7	Complex Numbers	6/12/17	23	q13
	8.1	Square Root Property and Completing the Square		24	
6/12/17	8.2	The Quadratic Formula		25	q14 h4
	8.3	Quadratic Functions and Their Graphs.	6/18/17	26	q15 h5
6/14/17		Review			q16
6/19/17	**Exam 4**	Chapters 7, 8			
6/21/17		Review			q17
6/28/17	**Final Examination**				