MATH 212.-61   COLLEGE MATH PREPARATION   SUMMER 2016
                               LEVEL 2: BEGINNING ALGEBRA

Course Goal: The goal of this course is to build confidence in students with respect to their ability to think clearly about a problem, apply mathematical techniques to solve it, and to support the method and solution.

Student Learning
Objectives (SLO):   A) Evaluate real-world situations and distinguish between and apply Linear and quadratic function models appropriately.
                      B) Analyze, interpret and communicate results of linear and quadratic Models in a logical manner from four points of view – visual, formula, numerical and written.
                      C) Demonstrate an appreciation and awareness of applications in their daily lives.

Course Objectives: The student will:
                      A) Develop, throughout the course as applicable, systematic problem solving methods
                      B) Examine 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

Prerequisite: Qualifying score on the Math Placement Test within the last calendar year, or Math 210 or 200 with a grade of C or better (Pre-algebra).

Texts: A) INTERMEDIATE ALGEBRA, Fifth Edition, Blitzer.
                      B) HOW TO SOLVE WORD PROBLEMS IN ALGEBRA
                         A solved problem approach, Mildred Johnson, ISBN# 0-07-032631-2
                         (Recommended for students experiencing difficulty with word problems)

Supplies: A) Scientific calculator (TI 30X, 34X or 36X is recommended)
                         A cell phone is NOT a calculator; a cell phone is used for communications, not calculating.

       B) .5 or .7 mm mechanical pencil
       C) Retractable pencil style eraser
       D) Supply of binder paper and <u>quarter-inch</u> graph paper. <u>Ripped</u> <u>out</u>
          <u>spiral</u> <u>bound</u> notebook paper <u>is</u> <u>unacceptable</u> for <u>any</u> assignment in
          this class.
       E) Six inch straightedge
       F) <u>Yellow</u> highlighter

Schedule:	MTWTh 5:30–7:45pm in G 7
Instructor:	Joel Hansen
Email	hansenjoel@fhda.edu
Office Hours:	Before or after class

Attendance:

You are expected to attend all class meetings. If you miss 3 class meetings, whether excused or unexcused, you are subject to being dropped from class roll. If you miss 4 or more class meetings, you will be dropped from class roll or failed if beyond "last day to drop with a 'W' " date unless extenuating circumstances have prevented you from attending.

Each absence or tardy will result in the <u>loss of points</u> towards your final grade point total. Each absence or tardy $\geq$ 10 minutes will result in a loss of 5 points. If you leave the class after the break, you will incur a loss of 5 points.

Additional classwork will be presented to <u>ALL</u> students in the class so recovery of lost points from tardies or absences or additional points towards one's point total can be accrued.

BONUS---If you have <u>zero absences and zero tardies</u> (with no exceptions!) for the duration of the class, you will be given a bonus of 25 points toward your grade point total.

Cheating

Any cheating on quizzes, tests or final exam will be reported to Dean of PSME Division and an additional report will be filed with Dean of Student Development. Cheating is grounds for dismissal and/or failure of class.

Classroom Decorum:

<u>LEARNING</u> <u>IS</u> <u>YOUR</u> <u>RESPONSIBILITY</u>. However, obstruction or disruption of teaching – profanity or vulgarity, public displays of affection, or continued willful or disruptive behavior is subject to disciplinary action.

Disruptive Behavior

De Anza College will enforce all policies and procedures set forth in the *Standards of Student Conduct* (see catalog). Disruptive behavior can include, but is not limited to, the following: verbal abuse, physical abuse or threats, willful damage to person or college property, inordinate

demands for time and attention, harassment, discrimination or disruption in the classroom. DISRUPTIVE BEHAVIOR WILL NOT BE TOLERATED because it interferes with the educational process or deprives others of the right to learn, the right to service, and/or the right to feel safe.

Any student disrupting a class may be asked to leave that class for the day. Failure to vacate the premises will result in Campus Security immediately being called to remove the student from the class. Administrative follow-up with the PSME Division Dean and/or Dean of Student Development will result.

Class drop: DROPPING CLASS IS THE STUDENT'S RESPONSIBILITY. If you no longer wish to be enrolled in the class, you must drop by the deadlines listed below. Drop forms are not needed.

Failure to drop class might result in a failing grade, owed fees and other negative consequences. **BE SURE TO DROP CLASS IF YOU QUIT ATTENDING.**

Drop classes online at: **myportal.fhda.edu**

There will be no grade of record if class is dropped by   . From through   , a grade of "W" will be recorded.

Students who have not dropped by final drop deadline   will receive the appropriate grade for their achievement in the course. End of quarter drops are restricted by California state guidelines unless there are documented extenuating circumstances.

IT IS INCUMBENT UPON YOU TO INITIATE THIS DROP PROCEDURE; IF YOU DO NOT, YOU WILL BE GIVEN A FAILING GRADE FOR THE QUARTER GRADING PERIOD.

Homework: Homework assignments will be given in class and assignments are collected on a class meeting basis for grading. Each assignment will be worth 10 to 20 points. Homework must be completed as delineated in class. Work is ONLY done on the front side of paper. A cover sheet for each assignment; is required; this MUST have your name and MUST list the particular problems assigned.

If you have not completed or failed to do the assignment, you must still turn in a cover sheet with the reason for non-completion or failure to do assignment. Assignment must be in chronological order and packet is stapled in the top right-hand corner of the packet prior to collecting. All answers to problems should be highlighted in YELLOW highlighter. Turning in answers only is not considered completing the assignment and will not be graded. Incomplete assignments will not be graded. Returned graded packets are to be kept in your binder in chronological order.

HOMEWORK FORMS 20 TO 25% OF YOUR FINAL GRADE!!!

YOU MUST SET ASIDE A MINIMUM OF TWO TO THREE HOURS PER CLASS MEETING TO DO HOMEWORK. IF NOT, THE

LIKELIHOOD OF YOUR SUCCESS IN THIS COURSE MAY BE JEOPARDIZED.
<u>RIPPED OUT SPIRAL BOUND NOTEBOOK PAPER IS UNACCEPTABLE FOR ANY HOMEWORK ASSIGNMENT IN THIS CLASS.</u>

Quizzes: There will be an undetermined number of quizzes, both in-class and take-home varieties. Each will be worth 15 points. For every five quizzes, a quiz with the lowest score will be eliminated. The remaining scores will count toward final grade. <u>No makeup quizzes</u>.

Chapter exams: There will be four chapter exams and each will be worth 100 points. The <u>three</u> highest scores will count toward final grade. <u>No makeup exams</u>.

Final exam: The final exam for the class is two-part. The first part will be 50 questions and is comprehensive, multiple-choice and scantron-corrected. The second part will be skills developed from classwork. An example of this would be graphing a linear equation on a Cartesian coordinate system. The exam is worth 250 points. You <u>must</u> take final exam to pass class. If not, you will <u>automatically</u> fail the class.

Final exam date: 5:307:45pm,   Thursday, August 5, 2016

Grades: Chapter exams   300 points
                   Quizzes   "
                   Homework   "
                   Labs   "
                   Final   250 "
                   Total   "

Distribution: A-   91 – 100% of total points.
                   B-   80 – 90.99% of total points.
                   C-   67 – 79.99% of total points.
                   D-   57 – 66.99% of total points.
                   F-   0 – 56.99% of total points.
                   Above grades are guaranteed, but a more lenient scale may be adopted, giving grades for lower percentages than indicated, if a member of the class demonstrates a dedication toward making the class a positive learning experience. Criteria such as attendance, completion of <u>all</u> assignments and quizzes, and class participation would then be brought into consideration.

Important dates:
Drop during the "refund" period   Last day to drop class with no record of grade
July 4   Holiday
"View your class schedule"   Last day to drop class with a "W"

IMPORTANT!   PLEASE READ NEXT PARAGRAPHS!

There is no reason to have a CELL PHONE, SMART PHONE, TEXT MESSAGING DEVICE, PERSONAL LISTENING DEVICE (iPod, MP 3 player, etc) or PAGER in operation in class. Make sure the device is in an OFF mode when you enter class so as not to interrupt class when called or paged. If you have an emergency situation where you are expecting a call, please let me know before the class starts.
If you fail to put your phone, messaging device, listening device or pager in an OFF mode and it rings or vibrates in class, or if you are observed text messaging during class, you will lose 25 POINTS FOR EACH INTERRUPTION OR INFRACTION. The point loss is AUTOMATIC!

Lack of electronic device etiquette is neither condoned nor tolerated.

A graphing calculator and/or scientific calculator is the ONLY device used to compute work on tests or quizzes. Any enhanced phone, iPhone or iPad is NOT allowed for computational work.

Once you enter class you are expected to stay in your seat until class is dismissed or a ten minute break is given for a "two hour" class. Obviously, this also holds true during time allotted for a chapter test or final exam. You are not allowed to pop in and out of class to deal with cell phone or messaging issues, smoke a cigarette or use the bathroom. Please take care of all the above before you come to class or during class break. If you have a physical problem where you might have to use the bathroom during class, please let me know before class starts.

(The above paragraphs are written so that you will have an appreciation for the rights of your fellow classmates. You do not have the right to disrupt the classroom education environment or education process nor deprive others of the right to learn or the right to service.)

You are expected to put your personal effort into your school work. If you are observed reading or copying another person's quiz or exam or talking to another person during such an exercise, the PSME Division Dean will immediately be notified of this behavior. An additional report will also be filed with the Dean of Student Development. **This behavior is neither condoned nor tolerated**.

Some thoughts on class...

1)   No assignment will be accepted on RIPPED OUT SPIRAL BOUND notebook paper. If you MUST use this paper, remove(cut) the remaining nibs on the recently bound edge.

2)   You should try to attend all class sessions. Mathematics is a skill building process, and in order to make progress in understanding these processes you have to be in an environment to ask questions. Try to be present for each and every session. See Attendance earlier in green sheet.

3)   It is expected that you have achieved a maturation level that coincides with the level of school you are attending. You are expected to pay attention in class and not conduct personal conversations. If you do, you will suffer consequences by being asked to leave

class and, if an on-going problem, will be dropped from class roll. (Please see **classroom decorum** earlier in green sheet.) **This behavior is neither condoned nor tolerated**.

4)   You are expected to put your personal effort into your schoolwork. If you are observed reading or copying another person's exam or talking to another person during such an exercise, you will suffer consequences. (Please see **cheating** earlier in green sheet.) **This behavior is neither condoned nor tolerated**.