

## **MATH 212 Elementary Algebra Fall 2015**

*Instructor:* Jyothsna Viswanadha    *E-mail:* viswanadhayogeswari@fhda.edu

*Office Hours:* M-Th 10:30 am to 11:15 am    *Office:* TBA

**Text:** Intermediate Algebra. Blitzer 5<sup>th</sup> edition,      **Calculator:** Scientific Calculator

### **Student Learning Outcomes:**

1. Evaluate real world situations and distinguishes 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, number and written.
3. Demonstrate an appreciation and awareness of applications in their daily lives.

### **Attendance**

- ATTENDANCE ON THE FIRST DAY IS MANDOTARY. If you are absent on the first day, you will be dropped and your spot will be offered to the students who are on waiting list.
- Students are responsible for knowing and understanding the rules of attendance. ANY violation of these rules is grounds for being dropped from the class.
- Regular, punctual attendance at all class meetings is expected of each student. YOU CANNOT EXPECT TO DO WELL IN THE CLASS IF YOU FAIL TO ATTEND LECTURES.
- There are NO excused absences. If a student is not present in class, he or she is considered ABSENT regardless of the reason and will be marked absent.
- Students absent anytime during the first week of class may be dropped from the class for absenteeism and space will be made for students who wish to add the class.
- A student will be dropped if absent the equivalent of three days of classes during the quarter. However, if a student stops coming to class after starting and wishes to drop, the instructor will not automatically drop the student. Any student wishing to drop must drop themselves.
- Being late to class or leaving before class is dismissed by the instructor will count as half an absence.
- Arriving to class on time but leaving the classroom anytime during class will count as half an absence unless you have a legitimate medical or physical excuse. Such an excuse must be discussed with the instructor PRIOR to leaving class or will count as half an absence.
- A student is considered late if arriving past the start of class time. However, a student is considered completely absent if arriving more than 15 minutes after the start of class or leaving 15 minutes before the end of class.
- In certain instances, the instructor or counselor will drop a student for violation of any policy stated in this syllabus.
- IF YOU DECIDE YOU CAN NOT TAKE THE CLASS OR STOP COMING TO THE CLASS AND DO NOT DROP THE CLASS YOURSELF THEN YOUR GRADE WILL BE F.

***Communicating with the instructor.*** Students are encouraged to email the instructor with any questions you might have. Rules for sending an email

1. Your full name.(Donot assume I will know who you are from your email addresses)
2. The class and section you are in.(I am teaching three classes, so Class, section or time of the class is very important.)
3. Subject clearly stated.(Subject like “wats up??” wouldn’t help )
4. Email clearly written.

### **Exams - 150 points**

There will be four in class exams. In class exams are worth 50 points each. There are no make up exams for the missed tests. One lowest score will be dropped. The tentative exam dates are:

- Exam #1 : 10/01/2015
- Exam #2 : 10/13/2015
- Exam #3: 10/23/2015
- Exam #4: 11/17/2015

### **Quizzes – 150 points**

There will be 8 quizzes given on the material covered from the previous classes and home works assigned. Quizzes are closed book and no notes or flash cards are allowed. There will be no make up for missed quizzes. One lowest quiz score will be dropped.

### **Final Exam – 150 points**

This is a comprehensive exam covering all the chapters and sections we have studied this quarter. It is not an optional exam and must be taken at the scheduled time. Failed to take the final would result in F as your final grade. Any traveling plans must be made accordingly.

Final exam: 9:15am – 11:15am on Wednesday 12/09/2015

**USE OF CELL PHONES OR ANY OTHER ELECTRONIC DEVICE IS PROHIBITED DURING THE EXAMS AND IN CLASS. ONLY A CALCULATOR CAN BE USED AS A CALCULATOR.**

### **Homework – 50 points**

Homework is an essential component of the course. Homework assignments will be given everyday but only some problems will be collected and corrected. Homework is due at the beginning of the class. A maximum of 2 late homeworks are accepted. After 2 late homeworks, no missed work or late homework is accepted.

The student is responsible for all the homework problems assigned and also all the problems associated with the sections covered in class from your textbook. Your exams and quizzes are based on your homework problems. Practice of these problems makes exams and quizzes easier.

Rules for submitting homework :-

- Homework must be done on  $8\frac{1}{2} \times 11$  paper with neat edges.
- Homework assignment must be written on the top line of your paper.
- Labeled problems and pages must be in their proper order.
- Pages must be stapled together in the upper left corner (no doggy-ear/folded corners, or paper clips).
- Each answer must be supported by sufficient work for credit.
- Begin with the problem in the book and not with the next step.
- Graphs must be done neatly on graph papers and labeled properly.
- Use units where ever necessary.

*ALL THE WORK THAT WILL BE SUBMITTED FOR GRADING SHOULD BE NEATLY ORGANIZED AND PROPERLY WRITTEN FOR GRADING. IF I CAN'T FOLLOW YOUR WORK, YOUR WORK WILL NOT BE GRADED. THIS RULE APPLIES TO ALL THE HOMEWORKS, QUIZZES, AND EXAMS*

**Extra Credit:**

There will be a total of 20 points of extra credit that can be earned through out the course. At times there will be unannounced extra credit quizzes, which are a great opportunity to review the past material and practice better.

Please do not expect to assign extra credit for a single student. No graded work will be assigned during or after week 11. Do not approach instructor to ask for personalized extra credit work! It will not be assigned.

**Discipline:**

- Students, at all times, should keep their cell phones, beepers and other noise making devices in either switched off mode or in silent mode and keep them inside.
- No talking in between the students is tolerated while the lecture is going on. You will be given time to ask any questions you have regarding the material through out the class. Make use of the time to clear any questions you have.
- Students disregarding classroom rules or disrupting the class will be asked to leave the room and may not re-enter with out the instructor's permission. De Anza

College will enforce procedures set forth in the Student Standard of Conduct (see class schedule) and the appropriate remedial and/or disciplinary steps will be taken when violations occur.

### **Personal Integrity:**

I expect all students to do their own work unless otherwise specified by the instructor. If there are any problems, the student/students will be sent directly to the division Dean. Your instructor has the right to assign a grade “F” for blatant infractions. If you have any questions, please consult the college schedule under “Academic Integrity”. Please, let us have no problems in this area.

The key to success in any mathematics course is working homework – lots of it. Just doing the ten assignments will not be enough; you should **work more problems for practice**, in particular the problems for which the book provides answers to check your work. In addition, consult the Student Solutions Manual, containing worked solutions. For extra help, don’t hesitate to visit the instructor during **office hours** or make an appointment.

Make use of the **Math and Science Tutorial Center in S-43**.

### **GRADING SCALE**


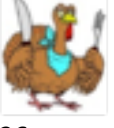

Midterms	150 Pts	A	90-100%(460 - 540Pts)
Quizzes	150 Pts	B	80-89% (416 - 459 Pts)
Home Work	50 Pts	C	70-79% (364 - 415 Pts)
Extra Credit	20 pts	D	60-69% (312 - 363 Pts)
Final Exam	150 Pts	F	Under 60% (310 Pts)
TOTAL	520 Pts		

### ***General Classroom Procedures and Rules***

1. Talking during lecture is not allowed. While talking does not necessarily bother the instructor, it does interfere with other students’ ability to listen. If you talk during lecture, you will be asked to leave the room. If you are asked to leave the room, you will not be allowed back into the class until you visit the instructor at office hour before the next class meeting.
2. Exams and quizzes are given at the beginning of class. If you arrive late to the class on an exam or quiz day, extra time WILL NOT BE given.

3. On exam days, you will be assigned a seat by the instructor different from the one you are used to sitting in. If you talk or communicate with another student, you will be moved to another desk.

5. Communication of any kind during an exam or quiz between students is not allowed and is considered cheating. This includes any verbal, written or other communication. All cell phones and electronic devices must be turned off and put away BEFORE a test begins. Cell phone usage or usage of any electronic device (besides a calculator) during a test or quiz is considered cheating. All tests and quizzes are to be the work of individual students only, unless stated otherwise. Sharing or comparing answers of any kind is considered cheating. If you have a question during a test or quiz, you are only allowed to talk the instructor. If you are observed cheating, you will receive a grade of 0 on the test or quiz and be reported to De Anza Administration. A grade of 0 given for cheating on any test or quiz cannot be made-up, dropped, or replaced by any other score and will be factored into the student's final grade without exception. . If a student is returned a graded test or quiz and the student changes his or her incorrect answers in order to receive more points, the student is considered cheating and such an act will carry the same consequences as those mentioned above.

<b>Month</b>	<b>Monday</b>	<b>Tuesday</b>	<b>Wednesday</b>	<b>Thursday</b>	<b>Friday</b>	<i>Week</i>
September	21 Intro	22 Sec 1.1	23 Sec 1.2 and 1.3	24 Sec 1.4 and 1.5	25 Quiz # 1	<i>1</i>
	28 Sec 1.5 and Sec 1.6	29 Sec 1.6	30 Review	1 Exam # 1	2 Sec 2.1	<i>2</i>
October	5 Sec 2.2 and Sec 2.3	6 Sec 2.3	7 Sec 2.4 and Quiz # 2	8 Sec 2.4	9 Sec 2.5	<i>3</i>
	12 Review	13 Exam # 2	14 Sec 3.1	15 Sec 3.1	16 Last day to request pass/no pass grade	<i>4</i>
	19 Sec 3.2	20 Quiz # 3	21 Sec 3.2	22 Review	23 Exam # 3	<i>5</i>
	26 Sec 4.1	27 Sec 4.4	28 Quiz # 4	29 Sec 5.1	30 Sec 5.2	<i>6</i>
November	2 Sec 5.3	3 Sec 5.4	4 Quiz # 5	5 Sec 5.4	6 Sec 5.5	<i>7</i>
	 9 Veteran's Day	10 Sec 5.5	11 Sec 5.6 and Quiz # 6	12 Sec 5.7	13 Last day to drop with a "W" Sec 5.7	<i>8</i>
	Review	17 Exam # 4	18 Sec 7.1	19 Sec 7.7	20 Quiz # 7	<i>9</i>
	23 Sec 8.1	24 Sec 8.2	25 Quiz # 8	 26 Thanksgiving	 27 Holiday	<i>10</i>
December	30 Sec 8.3	1 Sec 8.3	2 Review	3 Review	4 Review	<i>11</i>
	7 No Class	8 No Class	9 Final 9:15am - 11:15am	10 No Class	11 No Class	<i>12</i>

## **Math 212 Home work assignment**

As soon as a section is completed, the corresponding homework should be practiced. Any questions you have must be cleared in class before we move on to the new topic. It is your responsibility to practice these problems.

### **Practice**

Sec 1.1 – Problem # 13, 21, 25, 33, 75 thru 78, 81, 82, 83, 84

Sec 1.2 – Problem # 55 thru 58, 59 thru 70, 89, 93, 94, 95, 96, 99, 100, 127 thru 130, 139 thru 146, 147 thru 150

Sec 1.3 – Problem # 12, 14, 16, 18, 22, 24, 26, 39 thru 42, 47 thru 52, 53 thru 58

Sec 1.4 – Problem # every other odd numbered problem. 1 thru 50, 55 thru 73

Sec 1.5 - Problem # every other odd numbered problem. 1 thru 42

Sec 1.6 – Problem # every other odd numbered problem, 1 thru 100

Sec 2.1 – Problem # 9 thru 22, 25, 26

Sec 2.2 – Problem # every other odd numbered problem, 1 thru 10, 19 thru 28, 41, 42

Sec 2.3 – Problem # every other odd numbered problem, 1 thru 48

Sec 2.4 – Problem # every other odd numbered problem 1 thru 60

Sec 2.5 – Problem # every other odd numbered problem 1 thru 44, 49 thru 56

Sec 3.1 – Problem # All problems 1 thru 82

Sec 4.1 - Problem # every other odd numbered problem 1 thru 52, 71 thru 80

Sec 4.4 – Problem # All problems 1 thru 46, 55 thru 58

Sec 5.1 – Problem # every other odd numbered problem 1 thru 54

Sec 5.2 – Problem # every other odd numbered problem 1 thru 112

Sec 5.3 – Problem # all problems 1 thru 68, 79

Sec 5.4 – Problem # all problems 1 thru 92

Sec 5.5 – Problem # every other odd numbered problem 1 thru 94

Sec 5.6 – Problem # every other odd numbered problem 1 thru 68

Sec 5.7 – Problem # every other odd numbered problem 1 thru 46 and 59 thru 62, 71, 73, 75, 81, 83

Sec 7.1 – Problem # every other odd numbered problem 1 thru 88

Sec 7.7 – Problem # every other odd numbered problem 1 thru 100

Sec 8.1 – Problem # every other odd numbered problem 1 thru 22, 35 thru 56

Sec 8.2 – Problem # every other odd numbered problem 1 thru 60  
Sec 8.3 – Problem # every other odd numbered problem 1 thru 44

**Home work is due in class on every Friday. Homeworks must be submitted at the beginning of the class.**

***Week 1***

Sec 1.2 – Problem # 86, 88, 90, 98, 147 thru 150  
Sec 1.3 – Problem # 12, 20, 24, 26  
Sec 1.4 – Problem # 20, 24, 32, 38, 44, 46, 48, 66, 68

***Week 2***

Sec 1.5 – Problem # 4, 6, 10, 12, 20, 28, 40, 42  
Sec 1.6 – Problem # 24, 68, 72, 100, 104, 110, 114, 116  
Sec 2.1 – Problem # 20, 26, 28

***Week 3***

Sec 2.2 – Problem # 6, 8, 10, 42  
Sec 2.3 – Problem # 16, 24, 28, 30, 34, 40, 42, 48  
Sec 2.4 – Problem # 14, 24, 40, 44, 46, 58

***Week 4***

Sec 2.5 – Problem # 10, 16, 24, 28, 36, 40, 52, 56  
Sec 3.1 – Problem # 24, 40, 42, 52, 54, 80

***Week 5***

Sec 3.2 – Problem # 8, 12, 14, 18, 24, 28, 30, 32, 34

***Week 6***

Sec 4.1 – Problem # 34, 42, 44, 72, 74, 78  
Sec 5.1 – Problem # 32, 40, 50, 52, 64  
Sec 5.2 – Problem # 8, 22, 52, 54, 68, 78, 80, 82, 88, 94, 96, 98

***Week 7***

Sec 5.3 – Problem # 20, 22, 42, 44, 54, 64, 66, 68, 80  
Sec 5.4 – Problem # 26, 30, 38, 40, 44, 48, 56, 64, 68, 78, 80, 82, 88, 90, 92



***Week 8***

Sec 5.5 – Problem # 20, 22, 32, 46, 48, 58, 64, 74, 86

Sec 5.6 – Problem # 22, 40, 50, 56, 62, 68

Sec 5.7 – Problem # 8, 18, 30, 34, 36, 40, 44, 82, 84

***Week 9***

Sec 7.1 – Problem # 26, 30, 44, 54, 58

Sec 7.7 – Problem # 16, 32, 50, 60, 70, 78, 84, 98, 100

***Week 10***

Sec 8.1 – Problem # 10, 16, 20, 22, 42, 46, 52, 56

Sec 8.2 – Problem # 16, 18, 40, 42, 44, 46, 56, 58, 60