

Math 212: Beginning Algebra – Spring 2010

INSTRUCTOR: Dr. Barbara Illowsky

E-MAIL: illowskybarbara@deanza.edu

PHONE: (408) 864-8211

WEBSITE: <http://faculty.deanza.edu/illowskybarbara>

SECTION: 22, MW 1:30 – 3:45 PM, Room E34

OFFICE: S76h (west side of campus in courtyard between E3 and S7 buildings)

OFFICE HOURS: MW 11:30 AM – 1 PM, T 2:30 – 3:30 pm, or by appointment

Welcome to Beginning Algebra. This is a **demanding**, but rewarding class. My responsibilities are to be prepared for class, work extremely hard to bring relevance of the material to class, and to help you through your struggles so that you are prepared for Math 114. Your responsibilities are to actively commit to this course by reading the text, doing your assignments, attending tutoring, coming prepared to class to ask homework questions, participating in class, and taking quizzes and exams. If you cannot commit to a minimum of 15 hours per week for this course, then you should take this class in a quarter when you have the time. This is also a collaborative class. You will be expected to work with your classmates both inside and outside of class (no exceptions).

READ THROUGH THE ENTIRE GREENSHEET SO THAT YOU ARE FAMILIAR WITH THE CLASS.

Prerequisite: Passing grade (C or better) in Pre-Algebra (Math 210) or placement exam; Advisory: English Writing 211 and Reading 211 (or Language Arts 211), or English as a Second Language 272 and 273

Book: *Intermediate Algebra*, 4th ed., Blitzer

Related Materials: Scientific calculator. (Note: you will need a calculator from the TI-83 or TI-84 series in Math 114 and beyond); small stapler; small pencil sharpener; small ruler, binder or spiral notebook.

Student Learning Outcomes: (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 your daily lives.

Quizzes: Quizzes will be given according to the calendar schedule and will be approximately 20 minutes long. Quizzes will test your understanding and completion of the homework problems. You will need to do the homework thoroughly and completely to do well on the quizzes. Your lowest quiz score will be dropped.

Homework: The purpose of homework is to help you learn the material in the course. Textbook homework will be collected each week and graded for completeness. Just giving the answer does not count as doing the problem. You **MUST** show your work to receive credit.

Exams: Three exams will be given. No make-ups are given. Exams are closed book. You may bring to each exam one 8 ½" x 11" page (both sides) of notes, a calculator, and, if English is a second language, an English translation dictionary. Each exam is considered cumulative, meaning that you are responsible for ALL materials up through the current exam.

Final Exam: A two-hour comprehensive exam will be given. If you miss the exam without contacting me, you will receive an F for the course. You may bring 2 pages (both sides) of notes to the final. The final exam will be on Wednesday, June 23rd, 1:45 – 3:45 pm.

Project: There will be two group projects. More information will be given in class.

Teaching Review: Each student will conduct a section review for the class. More information will be given in class.

Tutoring: You are required to attend at least one hour of tutoring each week (weeks 2 – 11) in S43. Attendance will be kept. If you do not have any questions, you still must attend, but can spend that time helping others.

Attendance: Class attendance is essential to student success in math. You are expected to be present, prompt and prepared to ask questions about the assigned homework for all class meetings. Coming late to class is irresponsible, impolite, disruptive to your classmates, and is not acceptable. However, even with the best of planning, "life" gets in the way sometimes. It is better if you come late than to not show up. If you miss more than two classes, I may drop you from the course. It is YOUR responsibility to drop the course should you decide to stop attending, **DO NOT** rely on me to do it for you. If you need to be late or miss a class, please let me know, preferably by email and before the class.

Grade:	Exams (3@ 100)	300 pts. *	Lowest percentage for:		
	HW (26 sections @ 2)	50 pts. (all count)	A: 93%	A – : 90%	
	Projects (2 @ 50)	100 pts. (both count)	B+: 88%	B: 83%	B – : 80%
	Tutoring (10 @ 5)	50 pts. (all count)	C+: 78%	C: 72%	
	Quizzes (5 @ 25)	100 pts. (lowest one dropped)	D+: 68%	D: 63%	D – : 60%
	Teaching Review (1 @20)	20 pts.	F: 0		
	Final Exam	100 pts.			
	TOTAL	720 pts.			

Miscellaneous

- Bring your book and calculator to every class.
- Late papers after the official start time of class will not be accepted.
- Take-home papers will not be graded unless they are STAPLED (no doggy-ears or paper clips) before class. All papers turned in must be NEAT to earn full credit.
- CELL PHONES, ipods, and other electronic devices (except your calculator) must be turned off and put away during class. Absolutely no noise from them! If one goes off during class, we will all stop what we are doing and stare at you. If one goes off during a quiz or exam, you risk having your paper taken from you.
- Tutors are available in S43, the math and science tutoring center. The tutoring center offers tutor-led study groups and tutors as assistants in the labs (S42 and S48). Go to S43 to sign up for tutoring.
- Students are encouraged to form study groups. Go to S43 for help in creating a group with a tutor.
- *At the end of the quarter, if the final exam is the lowest exam, it will count as 1 exam. Therefore, the final exam and all other exams will count. If one of the 2 midterm exams is the lowest or missed, then that midterm score will be replaced by the final score. Therefore, the final exam will count twice. In summary, you will have a total of 400 exam points.
- Your grade is based on points and not a “curve.”
- Answer word problems and questions with complete English sentences.
- CHEATING WILL NOT BE TOLERATED. If anyone is caught cheating, he or she will receive an F for the course and reported to the appropriate college officials. Penalties include the possibility of being expelled from the college.

Student Services:

<http://www.deanza.edu/student-services/>

De Anza College has many support services to help you succeed in college. This web site leads you to information about financial aid, child care, counseling, academic support, disability support, student activities, and other services that are here for you. The physical location for most of these services is in the Student Community Services Building.

Dropping the Course: from Admissions and Records

The first drop week of the quarter, students can drop using the STAR System or over the Internet. After that date, students must drop or withdraw online or at Admissions and Records. The last day to drop with no record is April 24, 2010. The last day to drop with a W is May 28, 2010.

Calendar (subject to changes, as needed):

	MONDAY	WEDNESDAY
APR	5 Chapter 1	7 Chapter 1 HW 1 DUE
APR	12 Chapter 1 Quiz 1: 1.1-1.4	14 Chapter 2 HW 2 DUE
APR	19 Chapter 2 EXAM 1: 1.1-2.2	21 Chapter 3 HW 3 DUE
APR	26 Chapter 3 Start Project 1 Quiz 2: 2.3-2.4	28 Chapter 4 HW 4 DUE
MAY	3 Chapter 4	5 Project HW 5 DUE EXAM 2: 2.3-4.4
MAY	10 Chapter 5	12 Chapter 5 Project 1 Due
MAY	17 Chapter 5 Start Project 2	19 Chapter 5/7 HW 6 DUE Quiz 3: 5.1-5.4
MAY	24 Chapter 7 Project	26 Chapter 7 HW 7 DUE Quiz 4: 7.1,7.7
MAY/ JUNE	31 Review & Project	2 Chapter 8 HW 8 DUE EXAM 3: 5.1-7.7
JUNE	7 Chapter 8 Project 2 Due	9 Chapter 8 HW 9 DUE Quiz 5: 8.1-8.3
JUNE	14 1.7 Review: 1.1-2.4	16 Review: 3.1-5.7
JUNE	21 Review: 7.1-8.3	23 FINAL 1:45 – 3:45 PM

Homework:

- HW 1:** 1.1, 1.2 (4 points)
- HW 2:** 1.3, 1.4, 1.5, 1.6 (8 points)
- HW 3:** 2.1, 2.2, 2.3, 2.4 (8 points)
- HW 4:** 3.1, 3.2 (4 points)
- HW 5:** 4.1, 4.4 (4 points)
- HW 6:** 5.1, 5.2, 5.3, 5.4 (8 points)
- HW 7:** 5.5, 5.6, 5.7 (6 points)
- HW 8:** 7.1, 7.7 (4 points)
- HW 9:** 8.1, 8.2, 8.3 (6 points)

- 1.1 ## 1-13(odd),15,19,23,27,29,31,34,35,39,43,45,47
- 1.2 ##1,5,9,11,12,15,19,21,28,31,33,34,39,43,49,53,56,59,63,67,69,73,75,77,79,81,87,89,93,95,97,111,113,115,117,120,124,129
- 1.3 ## 1-23(odd),51-54,60
- 1.4 ## 5,7,15,17,19,23,27,31,39,41,45,47,55,57,71-80(all)
- 1.5 ## 1,3,5,7,9,13,15,21,23,29,45,47,51,57,59,61
- 1.6 ## 1-93(every other odd, i.e.1,5,9,...),99,103,111,113
- 2.1 ## 2,4,6,8,12,16,24,26,32,34,36,44,48,50,54,58
- 2.2 ## 4-22(even),34,38,40,42,44,47,69
- 2.3 ##4,14,16,20,24,26,28,32,36,40,44,48,50,54,56,58,78,82,84,112
- 2.4 ## 4,8,12,16,20,28,30,34,40,44,46,48,50,52,58,60,68
- 3.1 ## 2,4,6,10,14,20,24,28,34,44,48,50,54,62,70
- 3.2 ## 2,4,6,8,12,14,16,24,26,30,34,38,42,44,46
- 4.1 ## 2,4,8,12,14,18,24,28,30,34,42,50,60,67,68,84,86
- 4.4 ## 4,10,16,20,24,28,38,44,67,68,69,74
- 5.1 ## 4,8,10,14,16,26,28,30,32,42,46,54,60,80,81,82,83
- 5.2 ## 4,12,16,20,24,26,28,36,38,42,46,58,62,64,72,74
- 5.3 ## 4,6,24,28,30,36,40,44,46,48,52,56,84
- 5.4 ## 2-30(every other even, i.e. 2,6,10,...),34,38,46,50,54,58,60,72,105,113
- 5.5 ## 4-18(even),24-28,36,38,50,54,58,66,68,76,78,80,82
- 5.6 ## 2,4,10,15,18,28,54,56,62,84,86
- 5.7 ## 2-30(even),38,42,46,59,62,72,74
- 7.1 ## 2-22(every other even), 27,30,38,40,44,48,52,54,60,64,74,76,78,82,84,86
- 7.7 ## 2-22(every other even),34,40,46,48,54,58,64,68,74,80,86,92,98
- 8.1 ## 2,14,16,18,22,24,26,28,30,32,36,40,80,82,86
- 8.2 ## 2,4,8,12,18,20,24,28,48,50,52,58,78,80,84
- 8.3## 2,6,8,10,14,22,26,36,38,56,60,66