

Math 212 (11:30-12:20 M-F) – Beginning Algebra - Syllabus

Spring 2018

Instructor	Doli Bambhania
E-mail	bambhaniadoli@fhda.edu
Office	S-43A
Phone	408-864-5382
Office Hours	Monday – Thursday 9:50 – 10:20 a.m. and 1:30 – 2:00 p.m. in the UPSTAIRS LOBBY of MLC

Course Materials:

- Math 212 Course Packet (this is our “textbook”) – **Beginning Algebra Student Workbook** – De Anza College
 - Available only at De Anza Bookstore. Please get this as soon as possible. It’s \$42.25 plus tax. (If you prefer to print it yourself – it’s over 400 pages – email me)
 - Bring this to class each day!
- A non-graphing calculator that can evaluate square roots
- Other supplies to carry with you:
 - Pencils, large eraser, ruler
 - Notebook and graphing paper
 - Stapler

Homework: Homework is essential in any math class. You cannot expect to pass the class without putting consistent (daily) effort on homework and review. Its purpose is to help you practice and master skills, as well as learn focused problem solving. Schedule time for doing homework. Prioritize learning through disciplined practice and you will reap the benefits. You will have **two types of homework** assignments:

- Paper and pencil homework – At the end of each lesson in our workbook, there are ‘Exercises’. Your written problem sets will come from these. These problems will be checked primarily for completeness. These are due on the due dates set in the calendar. If you will be absent on the due date, email me pictures of your homework, and bring the paper copy when you return.
- Online homework – You will have online homework on a free website called www.myopenmath.com. These will be graded for correctness. Details about signing up will be sent over email.

Entrance Cards: These will consist of a problem similar to the previous days’ material. They may be posted at start of class on any day! They will be unannounced and graded. Notes will be allowed on entrance cards. Missed entrance cards cannot be made up. *Please keep several neatly cut half sheets of paper ready in your binder for when they are given. You will lose points for turning in untidy sheets of paper.*

Quizzes: Quizzes will be given on a regular basis. Please see the calendar. The quizzes will be closed notes, but you will need your calculator. Quizzes cannot be made up. The lowest quiz grade will be dropped.

Group Project: You will have one project in this class. You will need to work with 1-2 other people on the project.

Exams: Three one-hour exams will be given in class. The exams will be closed notes, but you may use your calculator. There will be no make-ups for exams (before or after). Please see the calendar for dates. No exam scores will be dropped, so do not plan on missing any. Your lowest exam will be replaced by the final exam if the final exam score is higher. This rule will be applied in the case of a missed midterm. *The only time this rule would not be applied is if cheating was involved in any of the exam scores.*

Final Exam: A two-hour comprehensive final exam will be given as listed on the calendar. You will be allowed to use your calculator and one 8-1/2” x 11” sheet of notes (front and back) in your own handwriting.

Attendance: I expect each student to attend every class. If you need to miss a class for an important reason, please know that you are responsible learning the missed material, finding out any announcements or assignment changes made in class. Stay in touch with your classmates and me. Let me know what I can do to help you stay on top of the material. If you exceed more than one week’s worth of absences, you should consider dropping the class. If you stop coming to class, you are responsible for dropping yourself or you will receive an F.

Grading: Your grade will be determined using the point system as described in the tables below.

Item	Points
3 exams @100 points each	300
Quizzes: top 6 @ 15 pts each	90
Entrance Cards: top 5 @ 4 pts each	20
Homework: Written (5 points per chapter)	50
Homework: Online (5 points per chapter)	50
Project	50
Final Exam	140
TOTAL	700

Overall Percentage	Your grade
97% or greater	A+
92 – 97%	A
89 – 92 %	A-
87 – 89 %	B+
82 – 87 %	B
79 – 82 %	B-
75 – 79 %	C+
70 – 75 %	C
55 – 70 %	D
less than 55%	F

Academic Integrity: All students are expected to exercise high levels of 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 '0' on the assignment, and report to the PSME dean, which may lead to dismissal from the class or the college.

Participation: Communication is important in learning. Please communicate regularly with me and your peers. Active participation in class occurs when you are fully engaged in what is being discussed, and engagement is necessary for success. I look forward to hearing your voice.

Expectations and Tips for Success: You will benefit immensely by being disciplined in your approach to this class. Here are my expectations/suggestions for you for this class.

1. Come to each class prepared with your binder, pencil and calculator. Attendance is essential in this class, and is highly correlated with success in any math class. Your math and critical thinking skills improve through discipline. Students who attend class regularly are more likely to succeed.
2. Math is learned by doing! Understanding math concepts and mastering skills improves only through regular practice. Review the class notes regularly and do your homework (written and online) every day. In a math class, regularly synthesizing the information you're learning is crucial. This will allow you to be better prepared for quizzes and exams, especially the final exam.
3. Seek help when you need it. If you don't understand something, don't give up! Instead:
 - Visit me during office hour or email me questions (see details above).
 - Contact your peers outside of class: One of the best ways to connect with others is through a shared purpose. You have the same goal for this class as your classmates. Help yourself and others by connecting over any struggles with the class. If someone asks for your help, remember that helping someone improves both people's understanding (and makes you feel good).
 - Math Science Tutorial Center, S43: Drop-in, one-on-one and group tutoring is available. Please visit www.deanza.edu/studentssuccess/mstrc/ for more details.
 - Smartthinking **free** 24-hour online tutoring for De Anza students (www.deanza.edu/studentssuccess/onlinetutoring/) – limited to 3 hours for the entire term – available through MyPortal.
 - The Internet: Empower yourself and use the Internet in a way that supports your math goals. Watch videos for math concepts and skills you are struggling with. Try sites such as Khan Academy for additional help with supported practice.
4. Be ready to help your classmates and don't be afraid to ask for help when you need it. We are here to learn.
5. Don't distract yourself during class through conversations unrelated to class or with your phone! Please silence and put away your phone and any other connected device during class. Research has shown that contrary to our belief about ourselves, we are NOT good at multi-tasking. You will severely limit your learning if you distract yourself during the process. Unless you expect an emergency, wait until after class to look at your phone.

Disability Notice: If you have any special circumstances that you feel may influence your performance in this class (a diagnosed learning disability, physical disability, or anything at all that might interfere with your learning), please email or chat with me privately so we can best accommodate you and we can create a learning environment that works for you.

Math 212 (11:30 - 12:20 M-F) - Tentative Calendar - Spring 2018

	Monday	Tuesday	Wednesday	Thursday	Friday
Week 1 April	Introductions Syllabus; 1.1 9	1.1, 1.2 10	1.3, 1.4 11	1.5 12	2.1; Ch 1 HW DUE Quiz 1 13
Week 2 April	2.2, 2.3 16	2.4 17	2.5 18	2.6 19	3.1; Ch 2 HW DUE Quiz 2 20
Week 3 April	3.2, 3.3 23	3.4, 3.5 24	4.1, 4.2 Ch 3 HW DUE 25	4.2, 4.3 26	NO CLASS Quiz 3 (take-home) 27
Week 4 April-May	4.4, 4.5 30	4.5 1	4.6 2	Review/Catch-Up 3	Ch 4 HW DUE EXAM 1 (covers Ch 1-4) 4
Week 5 May	5.1 7	5.2, 5.3 8	5.3, 6.1 Project Assigned 9	6.2, 6.3 Ch 5 HW DUE 10	6.3 Quiz 4 11
Week 6 May	6.4 14	6.5 15	7.1, 7.2 Ch 6 HW DUE 16	7.2, 7.3 17	7.4 Quiz 5 18
Week 7 May	7.5 21	8.1 Ch 7 HW DUE 22	8.2, 8.3 23	Review/Catch-Up 24	EXAM 2 (covers Ch 5-7) 25
Week 8 May-June	HOLIDAY: Memorial Day 28	8.3, 8.4 29	8.5, 8.6 30	8.6, 8.7 31	9.1; Ch 8 HW DUE Quiz 6 1
Week 9 June	9.2, 9.3 4	9.3, 9.4 Project DUE 5	9.4, 9.5 6	9.5, 9.6 7	9.6 Quiz 7 24
Week 10 June	10.1 Ch 9 HW DUE 11	10.2, 10.3 12	10.3, 10.4 13	Review/Catch-Up 14	EXAM 3 (covers Ch 8-10.2) 1
Week 11 June	10.4, 10.5 18	10.6 19	Ch 11 (review) Ch 10 HW DUE 20	Ch 11 (review) 21	Ch 11 (review) 22
Finals Week June	FINAL EXAM 11:30 am - 1:30 pm 25	FINALS WEEK NO CLASS 26	FINALS WEEK NO CLASS 27	FINALS WEEK NO CLASS 28	FINALS WEEK NO CLASS 29

Student Learning Outcome(s):

- *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.