

Math 114 – Intermediate Algebra - Syllabus

Spring 2016

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Office Hours	Monday through Thursday 12:30 – 1:20; or by appointment

Student Learning Outcomes:

1. Evaluate real-world situations and distinguish between and apply exponential, logarithmic, rational, and discrete function models appropriately.
2. Analyze, interpret, and communicate results of exponential, logarithmic, rational, and discrete models in a logical manner from four points of view - visual, formula, numerical, and written.

Course Materials:

- Math 114 Course Packet (this is our “textbook”) – Intermediate Algebra Workbook – De Anza College
 - Available only at De Anza Bookstore. Please get this immediately. It's about \$40.
(If you prefer to print it yourself – it's 429 pages – email me)
 - Bring this to class each day!
- A graphing calculator: I recommend TI-84 Plus, or TI-84, or TI-83
 - If you do not own one already and can't afford one, you may rent one from a site such as <http://www.rentcalculators.org>.
- Other supplies to carry with you:
 - Pencils, large eraser, ruler
 - Notebook paper
 - Graphing paper
 - Stapler

Regular review/study to understand: You will benefit immensely by regularly reviewing the class notes and doing additional practice problems. In a math class, regularly synthesizing the information you've learned is crucial. This will allow you to be better prepared for quizzes and exams, especially the final exam. If you don't understand something, you have many options:

- Math Science Tutorial Center, S43 (www.deanza.edu/studentuccess/mstrc/)
- Smartthinking **free** 24-hour online tutoring for De Anza students (www.deanza.edu/studentuccess/onlinetutoring/)
- Remember that we live in a world where information is quite literally at our fingertips via the Internet. Empower yourself and use the Internet. There are tons of math videos on YouTube, etc. too!

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 'Practice Problems'. Your written problem sets will come from these. These problems will be checked primarily for completeness.
- 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: Entrance cards will consist of a problem similar to the previous days' material. These may be posted for you to complete at the beginning of class on any day! Entrance cards will be unannounced and graded. Notes will be allowed on these. *Please keep several neatly cut half sheets of paper ready in your binder for when entrance cards are given.*

Quizzes: Short 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.

Projects: We will have two projects in this class, one project on functions to be done in a group and one mini-project on personal finance to be done alone. You will work outside of class on these projects.

Exams: Three one-hour exams will be given in class. The exams will be closed notes, but you will need 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.

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 handwritten sheet of notes in your own handwriting.

Grading:

Item	Points
3 exams @100 points each	300
Quizzes: top 7 @ 10 pts each	70
Entrance Cards: top 5 @ 4 pts each	20
Homework: Written	50
Homework: Online	50
Projects: 40 points + 20 points	60
Final Exam	150
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

CLASS POLICIES

Attendance: Attendance is important every day because all class time counts. Your math and critical thinking are skills that are improved through discipline. Students who attend class regularly are more likely to succeed, so come on time, stay for the whole class, and be active.

- If you are absent, you are responsible learning the missed material, finding out any announcements or assignment changes made in class.
- Late homework assignments will not be accepted. In case of an unforeseen emergency on a day that homework is due, you may scan or take pictures of all pages of your homework and email it to me.
- Entrance cards, quizzes and exams can only be taken during class, and not made up before or after class.
- If you exceed more than one week's worth of absences, you should strongly consider dropping the class.
- If something tragic occurs, please let me know how I can help you. I am willing to work with you if you are committed.
- If you stop coming to class, you are responsible for dropping yourself or you will receive an F.

Academic Integrity: All students are expected to exercise high 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, 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. Begin by visiting me in my office during the first 2 weeks of class for extra credit!

Classroom conduct: Politeness is more than a request -- it is a requirement for this class. If you plan to succeed in this class:

1. Out of courtesy for your classmates, please mute the sound on your cell phone.
2. Don't let your phone distract your learning process. Unless it's an emergency, it can wait!
3. Remember to be courteous to everyone in the class, even when you disagree.
4. Be ready to help your classmates and don't be afraid to ask for help when you need it.
5. Please do not carry on conversations while someone else is talking. This is rude and disruptive.

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 114 - Intermediate Algebra - Spring 2016 - Tentative Calendar

	Monday	Tuesday	Wednesday	Thursday	Friday
Apr	Greensheet 1.1 4	Intro 1.2 5	1.2 1.3 6	1.3 1.4 7	1.5 Quiz 1 11
Apr	1.5 2.1 11	2.1 Lesson 1 HW due 12	2.2 2.3 13	2.3 2.4 14	3.1 Quiz 2 15
Apr	3.1, 3.2 Lesson 2 HW due 18	4.1 19	4.2, 5.1 Lesson 3 HW due 20	5.1 5.2 21	5.2, Quiz 3 Lesson 4 HW due 22
Apr	5.3 5.4 25	5.4 6.1 26	6.2 Lesson 5 HW due 27	Catch-up Review 28	Exam 1 (Lessons 1-5) 29
May	<i>Proj 1 Assigned</i> , 6.3 2	7.1 7.2 3	7.3 Lesson 6 HW due 4	7.4 7.5 5	7.5 Quiz 4 6
May	7.6 9	8.1 10	8.2 Lesson 7 HW due 11	9.1 9.2 12	9.2 Quiz 5 13
May	9.3 16	9.4 9.5 17	9.5 9.6 18	Catch-up Review 19	Exam 2 (Lessons 6-9) Lesson 9 HW due 20
May	10.1 23	<i>Proj 1 DUE</i> 10.2 24	10.3 25	10.4 26	10.4, Quiz 6 27
May/Jun	Memorial Day Holiday No class 30	10.5 31	11.1 11.2 1	11.2 Lesson 10 HW due 2	11.3 Quiz 7 3
Jun	11.3 <i>Mini-Proj 2 Assigned</i> 6	12.1 7	12.1 12.2 8	12.2 12.3 9	Exam 3 (Lessons 10-11) 10
Jun	12.3 13	13.1 14	<i>Mini-Proj 2 DUE</i> 13.2 15	13.3 Quiz 8 16	Catch-up Review 17
Jun	Final Exam - 11:30 class 11:30 - 1:30 20	Finals Week No class 21	Finals Week No class 22	Final Exam - 10:30 class 9:15 - 11:15 23	Finals Week No class 24