

**Math 114 Course Syllabus**  
**De Anza College**  
**Winter 2015**

**Instructor:** Usha Ganeshalingam      **Office:** S76B  
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**Office Hrs:** M, W,Th 12:30-1:20 pm  
                    Tu,F 12:30-1pm

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**Course:** Intermediate Algebra; Math 114.MP2

**Meets:** M-F 10:30am -12:20pm in E33

**Course Description:** Application of exponential and logarithmic functions, rational functions, and sequences and series to problems. Emphasis on the development of models of real world applications and interpretation of their characteristics.

**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.

**Prerequisites:** Qualifying score on the Math Placement Test within last calendar year; or Mathematics 212 or equivalent with a grade of C or better.

**Required Materials:** Textbook, worksheet packet, scientific calculator, pencil, eraser, stapler, and ruler. A TI-83 plus or TI-84 is strongly recommended, but not required. Bring these items to class daily.

**Text:** *Elementary and Intermediate Algebra: Functions and Authentic Applications* by Jay Lehmann, 2<sup>nd</sup> edition.

**Worksheet Packet:** The De Anza bookstore sells a worksheet packet for our course which consists of daily in class worksheets that we will need this quarter.

**Attendance:** You are expected to attend every lecture. You may be dropped from the class if you miss any classes during the first 2 weeks and you may be dropped from the program if you are absent 5 times during the quarter.

**Standards of Work:**

- Homework must be stapled and turned in as a single packet. Homework pages that are not stapled will not be graded and will receive no credit.
- When needed, correct answers must be supported by correct work in order to receive credit. Even if your final answer is correct, you may lose credit if the instructor cannot read or understand your work, or if necessary steps are missing.

**Students with Disabilities:** If you feel that you may need accommodations due to a disability, you should contact me privately to speak about your needs. Also, please contact Disability Support Services (864-8753) for more information about eligibility, services, and accommodations.

**Grading:**

Exams	300 Points
Homework	100 Points
Quizzes	90 Points
Activities	45 – 60 Points
Final	120 Points
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<b>Total</b>	<b>655-670 Points</b>

**Grade Breakdown:**

A+: 97-100%	B+:87-88%	C+: 77-78%	D: 62-66%
A: 92-96%	B: 82-86%	C: 69-76%	D-: 60-61%
A-: 89-91%	B-: 79-81%	D+: 67-68%	F: < 60%

**Exams:** There will be 3 in class exams. Each exam is worth 100 points. They will be closed book and closed notes. No make-ups will be allowed. In the case of a documented emergency, I will replace a missing exam score with the corresponding portion of your final grade. See the course calendar for tentative exam dates.

**Homework:** Homework assignments will be submitted weekly. There will be a total of 11 homework assignments, with each assignment worth 10 points. Every student, only once during the quarter, may turn in their homework by the beginning of the next class. Other than that, no late homework will be accepted for any reason. At the end of the quarter, your lowest homework score will be dropped. See the course calendar for tentative homework due dates.

**Quizzes:** We will have 7 quizzes during the quarter. Each quiz is worth 15 points. No make-ups will be allowed. If you know that you will be absent, see me about taking the quiz earlier than scheduled. At the end of the quarter, your lowest quiz score will be dropped. See the course calendar for tentative quiz dates.

**Activities:** We will have daily in class problems and worksheets throughout the quarter which will count towards your activity score. These problems must be turned in by the end of the class session. If you are absent the day of a worksheet, you may not turn in the worksheet in for credit.

**Final Exam:** The final exam will be comprehensive and will be given on *Friday March 27<sup>th</sup>* from 9:15-11:15 am.

**Student Conduct:** Cheating is forbidden. There shall be no talking to, or unauthorized helping of other students during any exam or quiz. You may not share calculators during exams or quizzes. All electronic devices other than a calculator must be put away during quizzes and exams. An exam or course grade of F may be given for any of the above infractions. Any student found cheating on an exam or quiz will not be allowed to retake that exam or quiz.

**Classroom Behavior:**

- Turn off and put away cell phones and other devices during class. Cell phones and other electronic devices should be put away for the entire class period.
- Students should not be engaged in private conversations while the instructor is lecturing.

Students not following these rules or who are disrupting class may be asked to leave or may be dropped from the program.

**Important Dates:**

- The last day to add classes is Saturday, January 17<sup>th</sup>.
- The last day to drop for a full refund is Sunday, January 18<sup>th</sup>.
- The last day to drop classes with no record of a grade is Monday, January 19<sup>th</sup>.
- The last day to drop with a "W" is Friday, February 27<sup>th</sup>.

Wk	Monday	Tuesday	Wednesday	Thursday	Friday
1	5-Jan Introduction 15.1	6-Jan 15.1	7-Jan 5.2-5.3	8-Jan 5.6	9-Jan 8.1-8.2
2	12-Jan 8.3 Quiz 1(15.1,5.2-5.3,5.6,8.1-8.2) HW 1 due	13-Jan 8.4	14-Jan 12.1	15-Jan 12.2	16-Jan 12.2/12.3
3	19-Jan Martin Luther King's Birthday No Classes	20-Jan 12.3	21-Jan 12.5 Quiz 2(8.3-8.4,12.1-12.3) HW 2 due	22-Jan 12.5/12.6	23-Jan 12.6
4	26-Jan 12.8	27-Jan 12.8 Catch Up/Exam Review	28-Jan Exam 1 HW 3 due	29-Jan 10.1	30-Jan 10.1
5	2-Feb 10.3	3-Feb 10.3 10.2	4-Feb 10.2 Quiz 3(10.1,10.3) HW 4 due	5-Feb 10.4	6-Feb 10.4/10.5
6	9-Feb 10.5	10-Feb 11.1 Quiz 4(10.2,10.4-10.5) HW 5 due	11-Feb 11.2	12-Feb 11.2	13-Feb Abraham Lincoln's Birthday No Classes
7	16-Feb George Washington's Birthday No Classes	17-Feb 11.3	18-Feb 11.3/11.4	19-Feb 11.4	20-Feb Catch Up/Exam Review
8	23-Feb Exam 2 HW 6 due	24-Feb 11.5	25-Feb 11.6	26-Feb 13.4 Quiz 5(11.5-11.6) HW 7 due	27-Feb 13.5
9	2-Mar 13.6	3-Mar 13.1 Quiz 6(13.4,13.5A,13.6) HW 8 due	4-Mar 13.1	5-Mar 13.2	6-Mar 13.3/15.3A
10	9-Mar 13.3/15.3B	10-Mar Catch Up/Exam Review	11-Mar Exam 3 HW 9 due	12-Mar 14.1	13-Mar 14.2
11	16-Mar 14.3 Quiz 7 (14.1-14.2) HW 10 due	17-Mar 14.3	18-Mar 14.4	19-Mar 14.4	20-Mar Catch Up/Final Review
12	23-Mar Final Review Last Day of Classes HW 11 due	24-Mar	25-Mar	26-Mar	27-Mar Final Exam 9:15-11:15