Math 114 Course Syllabus
De Anza College
Spring 2016

Instructor: Usha Ganeshalingam   **Office:** S76B
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Office Hours: M,Th,F 9-9:30 am in S76B
                  Tu, Th 4-5 pm by email

Course: Intermediate Algebra; Math 114.MP1

Meets: M-F 9:30 -11:20am in E34

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 T1-83 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, 2nd 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 more than 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.

Grading:

Exams	300 Points
Homework	100 Points
Quizzes	90 Points
Activites	$45 - 60$ Points
Final	120 Points
Total	**655-670 Points**

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 *Tuesday June* 21st 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 must be off desks and in your bag during class time. Please do not take calls or text message during class. Do not talk while I or fellow classmates are talking. Students not following these policies or are disrupting class may be asked to leave which will then count as an absence for the day. Any students with more than 5 absences may be dropped from the MPS program.

Important Dates:
- The last day to add classes is Saturday, April 16th.
- The last day to drop for a full refund is Sunday, April 17th.
- The last day to drop classes with no record of a grade is Sunday, April 17th.
- The last day to drop with a "W" is Friday, May 27th.

Wk	Monday	Tuesday	Wednesday	Thursday	Friday
1	4-Apr Introduction 15.1	5-Apr 15.1	6-Apr 5.2-5.3	7-Apr 5.6	8-Apr No Class
2	11-Apr 8.1-8.2	12-Apr 8.3 Quiz 1(15.1,5.2-5.3,5.6,8.1-8.2) HW 1 due	13-Apr 8.4	14-Apr 12.1	15-Apr 12.2
3	18-Apr 12.2/12.3	19-Apr 12.3	20-Apr 12.5 Quiz 2(8.3-8.4,12.1-12.3) HW 2 due	21-Apr 12.5/12.6	22-Apr 12.6
4	25-Apr 12.8	26-Apr Exam Review	27-Apr Exam 1 HW 3 due	28-Apr 10.1	29-Apr 10.1
5	2-May 10.3	3-May 10.3/10.2	4-May 10.2 Quiz 3(10.1,10.3) HW 4 due	5-May 10.4	6-May 10.4/10.5
6	9-May 10.5	10-May 11.2 Quiz 4(10.2,10.4-10.5) HW 5 due	11-May 11.3	12-May 11.3	13-May 11.4
7	16-May 11.4/11.5	17-May 11.5	18-May Exam Review	19-May Exam 2 HW 6 due	20-May 11.6
8	23-May 11.7	24-May 13.4 Quiz 5(11.6-11.7) HW 7 due	25-May 13.5	26-May 13.6	27-May 13.1
9	30-May Memorial Day No Classes	31-May 13.1 Quiz 6(13.4-13.6) HW 8 due	1-Jun 13.2	2-Jun 13.3/15.3A	3-Jun No Class
10	6-Jun 13.3/15.3B	7-Jun Exam Review	8-Jun Exam 3 HW 9 due	9-Jun 14.1	10-Jun 14.2
11	13-Jun 14.3 Quiz 7(14.1-14.2) HW 10 due	14-Jun 14.3/14.4	15-Jun 14.4	16-Jun Final Review	17-Jun Final Review HW 11 due
12	20-Jun	21-Jun Final Exam 9:15-11:15am	22-Jun	23-Jun	24-Jun