De Anza College  
Spring 2015

Course: Intermediate Algebra (Math 114)  
Instructor: Bill Abb
Lab: 6:30-8:20 S42 Monday/ Wednesday  
Email: babb@mitty.com
Lecture: 8:30-10:20 Monday and Wednesday S16
PSME Web Site: http://deanza.edu/psme/

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


Calculator: A scientific calculator is required. A graphing calculator is recommended. The TI-83 or TI-84 is preferred, and the TI-89 is not allowed.

Objectives: The student will:

a. Develop systematic problem solving methods.
b. Investigate the characteristics of rational relationships.
c. Develop rational function models to solve problems.
d. Explore the concepts of inverse relations and functions.
e. Investigate exponential relationships.
f. Explore logarithmic functions.
g. Develop exponential and logarithmic models to solve problems.
h. Investigate distance and develop the equation of a circle.
i. Explore sequences and series.
j. Investigate how mathematics has developed as a human activity around the world.

Student Learning Outcomes: The student will:

a. Evaluate real-world situations and distinguish between and apply exponential, logarithmic, rational, and discrete function models appropriately.
b. 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.

Goals: For each student to be able to apply and retain the information from the course.

Exams: Three 100 point examinations will be given during the Spring quarter. No make-up exams will be given. You may replace the lowest exam with the final exam score if the final exam score is higher.

Final The date is listed on the calendar. To pass the class, you must take
the final examination. The final examination will be given on Wednesday, June 24th, from 8:30-10:30 PM.

Homework: Students will complete homework assignments on MyMathLab. No late work will be accepted. **MyMathLab Course ID: abb99205**

Quizzes: Quizzes are indicated on the calendar and are based on the completed homework assignments. Missed quizzes cannot be made up for any reason.

Attendance: Students are encouraged to attend class each night in order to succeed.

Assigned Points

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3 examination @ 100 points each = 300 points
1 final examination @ 150 points = 150 points
MyMathLab homework = 150 points
4 quizzes @ 25 points each = 100 points

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Total points = 700 points

Grading:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Points</th>
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<tbody>
<tr>
<td>A+</td>
<td>679-700</td>
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<tr>
<td>A</td>
<td>651-678</td>
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<tr>
<td>A-</td>
<td>630-650</td>
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<tr>
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<td>420-440</td>
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<tr>
<td>F</td>
<td>0-419</td>
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**Spring MyMathLab 114 (Mr. Abb)**

Homework is done in MyMathLab in lab and outside of class. You will not be able to complete all of your homework during the assigned lab times.

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**April 6th and 8th**

Sections 1.6,1.7,4.3, and 5.6

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**April 13th and 15th**

Sections 6.1,6.2, and 6.3

Quiz #1

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**April 20th and 22nd**

Sections 6.3, 6.4

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**April 27th and 29th**

Sections 6.6 and 6.7

Test #1
### May 4th and 6th
Sections 7.1, 7.2, and 7.3

### May 11th and 13th
Sections 7.4, 7.5, 7.6
Quiz #2

### May 18th and 20th
Sections 9.1, 9.2, 9.3

### May 25th and 27th (25th is the Memorial Day Holiday)
Review and Test #2

### June 1st and 3rd
Sections 9.4, 9.5, and 9.6
Quiz #3

### June 8th and 10th
Sections 10.1, and 11.1
Test #3

### June 15th and 17th
Sections 11.2 and 11.3
Quiz #4

### June 22nd and 24th
Monday: Review Night
Wednesday: Final Examination 8:30-10:30 pm