

## De Anza College Winter 2015

Course: Intermediate Algebra (Math 114)  
Lab: 6:30-8:20 S42 Monday/ Wednesday  
Lecture: 8:30-10:20 Monday and Wednesday

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

Materials: Textbook: Intermediate Algebra, 5<sup>th</sup> Edition by Blitzer(2<sup>nd</sup> De Anza Custom ed.) **(Required)**The textbook is purchased in the De Anza College Bookstore.The textbook will include the Student Access Code to MyMathLab.**(Required)**

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 Winter 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, March 25<sup>th</sup>, from 8:30-10:30 PM.

Homework: Students will complete homework assignments on MyMathLab. No late work will be accepted. **MyMath Lab Course ID: abb64306**

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

Total points = 700 points

Grading: A+ 679-700  
A 651-678  
A- 630-650  
B+ 609-629  
B 581-608  
B- 560-580  
C+ 539-559  
C 490-538  
D+ 469-489  
D 441-468  
D- 420-440  
F 0-419

## **Winter 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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### **January 5<sup>th</sup> and 7<sup>th</sup>**

Sections 1.6, 1.7, 4.3, and 5.6

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### **January 12<sup>th</sup> and 14<sup>th</sup>**

Sections 6.1, 6.2, and 6.3

Quiz #1

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### **January 19<sup>th</sup> and 21<sup>st</sup> (Monday January 19<sup>th</sup> MLK Holiday)**

Sections 6.3, 6.4

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### **January 26<sup>th</sup> and 28<sup>th</sup>**

Sections 6.6 and 6.7

Test #1

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### **February 2<sup>nd</sup> and 4<sup>th</sup>**

Sections 7.1, 7.2, and 7.3

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**February 9<sup>th</sup> and 11<sup>th</sup>**

Sections 7.4 and 7.5  
Quiz #2

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**February 16<sup>th</sup> and 18<sup>th</sup> (February 16<sup>th</sup> Washington's Birthday Holiday)**

Sections 7.5, 7.6, and 9.1

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**February 23<sup>rd</sup> and 25<sup>th</sup>**  
Sections 9.2, 9.3, and 9.4  
Test #2

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**March 2<sup>nd</sup> and 4<sup>th</sup>**

Sections 9.4, 9.5, and 9.6  
Quiz #3

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**March 9<sup>th</sup> and 11<sup>th</sup>**  
Sections 10.1, and 11.1  
Test #3

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**March 16<sup>th</sup> and 18<sup>th</sup>**  
Sections 11.2 and 11.3  
Quiz #4

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**March 23<sup>rd</sup> and 25<sup>th</sup>**

Monday: Review Night  
Wednesday: Final Examination 8:30-10:30 pm