

## De Anza College Fall 2016

Course: Intermediate Algebra (MathD114.27)

Lecture: 4:00-6:15 Mon/Wed MLC108

Office Hours: 3:15-3:50 Mon/Wed Math Tutoring Center

PSME Web Site: <http://deanza.edu/psme/>

Instructor: Bill Abb

Email: [abbwilliam@fhda.edu](mailto:abbwilliam@fhda.edu)

**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.  
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 Fall 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, December 14<sup>th</sup> from 4:00-6:00 pm.

**Homework:** Homework will be assigned each class session. Assignments will be collected each Wednesday. Each assignment will be worth 10 points.

Quizzes: Each quiz is worth 10 points. Six quizzes will be given during the quarter.

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  
10 homework assignments @ 10points =100 points  
6 quizzes @ 10 points each = 60 points

Total points = 610 points

Grading: A+ 592-610  
A 568-591  
A- 549-567  
B+ 531-548  
B 507-530  
B- 488-506  
C+ 470-487  
C 427-469  
D+ 409-426  
D 385-408  
D- 366-384  
F 0-365

## **Fall 2016 Math 114 (Abb)**

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

Sections 1.6,1.7,4.3, and 5.6

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### **October 3<sup>rd</sup> and 5<sup>th</sup>**

Sections 6.1,6.2, and 6.3

Quiz #1

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### **October 10<sup>th</sup> and 12<sup>th</sup>**

Sections 6.3, 6.4

Quiz #2

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### **October 17<sup>th</sup> and 19<sup>th</sup>**

Sections 6.6, 6.7, and Review For The Test

Test #1

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### **October 24<sup>th</sup> and 26<sup>th</sup>**

Sections 7.1, 7.2, and 7.3

Quiz #3

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**October 31<sup>st</sup> and November 2<sup>nd</sup>**

Sections 7.4, 7.5, 7.6

Quiz #4

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**November 7<sup>th</sup> and 9<sup>th</sup>**

Sections 9.1, 9.2

Test #2

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**November 14<sup>th</sup> and 16<sup>th</sup>**

Sections 9.3, 9.4, 9.5

Quiz #5

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**November 21<sup>st</sup> and 23<sup>rd</sup>**

Sections 9.6, and 10.1

Quiz #6

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**November 28<sup>th</sup> and 30<sup>th</sup>**

Sections 11.1 and 11.2

Test #3

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**December 5<sup>th</sup> and 7<sup>th</sup>**

Section 11.3 and Review For the Final

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**December 14<sup>th</sup>**

Final Examination: 4:00-6:00 PM