

## De Anza College Winter 2019

Course: Intermediate Algebra (MATH D114.29)

Instructor: William Abb

Lecture: 4:00-6:15 Mon/Wed Rm: S16

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

Office Hours: 3:15-3:45 Mon/Wed Rm: Math Tutoring Center

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.

Materials: Textbook: Intermediate Algebra, 7th 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.

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 26<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

## Winter 2019 Math 114 (Abb)

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### January 7<sup>th</sup> and 9<sup>th</sup>

Sections 1.6,1.7,4.3, and 5.6

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### January 14<sup>th</sup> and 16<sup>th</sup>

Sections 6.1,6.2,

Quiz #1

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### January 21<sup>st</sup> and 23<sup>rd</sup> (Holiday 21<sup>st</sup>)

Sections 6.3, 6.4

Quiz #2

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### January 28<sup>th</sup> and 30<sup>th</sup>

Sections 6.6, 6.7, and review for the test

Test#1

### February 4<sup>th</sup> and 6<sup>th</sup>

Sections 7.1, 7.2, and 7.3  
Quiz #3

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**February 11<sup>th</sup> and 13<sup>th</sup>**  
Sections 7.4, 7.5, 7.6  
Quiz #4

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**February 18<sup>th</sup> and 20<sup>st</sup> (Holiday on 18<sup>th</sup>)**  
Sections 9.1  
Test #2

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**February 25<sup>th</sup> and 27<sup>th</sup>**  
Sections 9.2,9.3,9.4  
Quiz #5

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**March 4<sup>th</sup> and 6<sup>th</sup>**  
Sections 9.5,9.6, and 10.1  
Quiz #6

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**March 11<sup>th</sup> ad 13<sup>th</sup>**  
Sections 11.1 and 11.2  
Test #3

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**March 18<sup>th</sup> and 20<sup>th</sup>**  
Section 11.3 and review for the final

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**March 26<sup>th</sup>**  
Final Examination: 4:00-6:00 PM

**Student Learning Outcome(s):**

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

\*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.