

De Anza College Winter 2018

Course: Intermediate Algebra (MathD114.62)
Lecture: 6:30-8:45 Mon/Wed Rm: E33
Office Hours: 8:45-9:15 Mon/Wed Rm: E33
PSME Web Site: <http://deanza.edu/psme/>

Instructor: William Abb
Email: 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, 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 28th from 6:30-8:30 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 2018 Math 114 (Abb)

January 8th and 10th

Sections 1.6,1.7,4.3, and 5.6

January 15th and 17th (Holiday on 15th)

Sections 6.1,6.2,
Quiz #1

January 22nd and 24th

Sections 6.3, 6.4
Quiz #2

January 29th ad 31st

Sections 6.6, 6.7, and Review For The Test

Test #1

February 5th and 7th

Sections 7.1, 7.2, and 7.3

Quiz #3

February 12th and 14th

Sections 7.4, 7.5, 7.6

Quiz #4

February 19th and 21st (Holiday on 19th)

Sections 9.1

Test #2

February 26th and 28th

Sections 9.2,9.3,9.4

Quiz #5

March 5th and 7th

Sections 9.5,9.6, and 10.1

Quiz #6

March 12th ad 14th

Sections 11.1 and 11.2

Test #3

March 19th and 21st

Section 11.3 and Review For The Final

March 28th

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.