

De Anza College Winter 2019

Course: Intermediate Algebra (MATH D114.61)
Lecture: 6:30-8:45 Mon/Wed Rm: S16
Office Hours: 8:45-9:15 Mon/Wed Rm: S16
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 26th 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 2019 Math 114 (Abb)

January 7th and 9th

Sections 1.6,1.7,4.3, and 5.6

January 14th and 16th

Sections 6.1,6.2,

Quiz #1

January 21st and 23rd (Holiday 21st)

Sections 6.3, 6.4

Quiz #2

January 28th and 30th

Sections 6.6, 6.7, and review for the test

Test#1

February 4th and 6th

Sections 7.1, 7.2, and 7.3
Quiz #3

February 11th and 13th
Sections 7.4, 7.5, 7.6
Quiz #4

February 18th and 20st (Holiday on 18th)
Sections 9.1
Test #2

February 25th and 27th
Sections 9.2,9.3,9.4
Quiz #5

March 4th and 6th
Sections 9.5,9.6, and 10.1
Quiz #6

March 11th ad 13th
Sections 11.1 and 11.2
Test #3

March 18th and 20th
Section 11.3 and review for the final

March 26th
Final Examination: 6:30-8:30 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.