

De Anza College
Fall 2019

Course: Intermediate Algebra (MATH D114.28)
Instructor: William Abb
Lecture: 4:00-6:15 Mon/Wed Rm: S-16
Email: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 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 11th 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 2019 Math 114 (Abb)

September 23rd and 25th

Sections 1.6, 1.7, and 4.3

September 30th and October 2nd

Sections 5.6, 6.1, and 6.2

Quiz #1

October 7th and 9th

Sections 6.3, 6.4

Quiz #2

October 14th and 16th

Sections 6.6, 6.7, and review for the test

Test#1

October 21st and 23rd

Sections 7.1, 7.2, and 7.3

Quiz #3

October 28th and 30th

Sections 7.4, 7.5, 7.6

Quiz #4

November 4th and 6th

Sections 9.1 and 9.2

Test #2

November 11th (Veteran's Day Holiday) and Wednesday November 13th

Sections 9.3 and 9.4

Quiz #5

November 18th and 20th

Sections 9.5, 9.6, and 10.1

Quiz #6

November 25th and 27th

Sections 11.1 and 11.2

Test #3

December 2nd and 4th

Section 11.3 and review for the final

December 11th

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.