De Anza College
Fall 2019

Course: Intermediate Algebra (MATH D114.61)
Instructor: William Abb
Lecture: 6:30-8:45 Mon/Wed Rm: S-16
Email:abbwilliam@fhda.edu
Office Hours: 8:45-9:15 Mon/Wed Rm: S-16
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 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 Points: 3 examination @ 100 points each = 300 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: 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.