De Anza College
Winter 2016

Course: Intermediate Algebra (MathD114.36)   Instructor: Bill Abb
Lecture: 4:00-6:15 Tue/Thurs Rm G2   Email: abbwilliam@fhda.edu
Office Hours: 3:15-3:45 T/Th 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, 5_{th} 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.

Student Learning Outcomes: The student will:

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

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 Tuesday,March 22nd from 4:00 to 6:00 pm.

Homework: Homework will be assigned each class session. Assignments will be collected each Tuesday. 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

Winter 2016 Math 114 (Abb)

January 5th and 7th

Sections 1.6,1.7,4.3, and 5.6

January 12th and 14th

Sections 6.1,6.2, and 6.3
Quiz #1

January 19th and 21st

Sections 6.3, 6.4
Quiz #2

January 26th and 28th

Sections 6.6, 6.7, and Review For The Test
Test #1

February 2nd and 4th

Sections 7.1, 7.2, and 7.3
Quiz #3

February 9th and 11th
Sections 7.4, 7.5, 7.6
Quiz #4

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February 16th and 18th

Sections 9.1, 9.2, 9.3
Test #2

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February 23rd and 25th

Section 9.4, 9.5
Quiz #5

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March 1st and 3rd

Sections 9.6, and 10.1
Quiz #6

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March 8th and 10th

Sections 11.1 and 11.2
Test #3

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March 15th and 17th

Section 11.3 and Review For the Final

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March 22nd

Final Examination: 4:00-6:00 PM