De Anza College
Winter 2020

Course: Intermediate Algebra (MATH D114.29)
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 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 25th 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

Winter 2020 Math 114 (Abb)

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January 6th and 8th
Sections 1.6,1.7, and 4.3

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January 13th and 15th
Sections 5.6, 6.1, and 6.2
Quiz #1

January 20th Holiday and 22nd
Sections 6.3, 6.4
Quiz #2

January 27th and 29th
Sections 6.6, 6.7, and review for the test
Test#1

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February 3rd and 5th
Sections 7.1,7.2, and 7.3
Quiz #3

February 10th and 12th
Sections 7.4, 7.5, 7.6
Quiz #4

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February 17th Holiday and 19th
Sections 9.1
Test #2

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February 24th and 26th
Sections 9.2,9.3, 9.4

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March 2nd and 4th
Sections 9.5,9.6, and 10.1
Quiz #5 and #6(Group Quiz)

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March 9th and 11th
Sections 11.1 and 11.2
Test #3

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March 16th and 18th
Section 11.3 and review for the final

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March 25th
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.