De Anza College
Spring 2019

Course: Intermediate Algebra (MATH D114.61)
Instructor: William Abb
Lecture: 4:00-6:15 Mon/Wed Rm: MLC 112
Email:abbwilliam@fhda.edu
Office Hours: 8:45-9:15 Mon/Wed Rm: MLC 112
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.

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Exams:    Three 100-point examinations will be given during
          the spring 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,
          June 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
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Spring 2019 Math 114 (Abb)

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_____
April 8th and 10th
Sections 1.6,1.7, and 4.3

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_____
April 15th and 17th
Sections 5.6, 6.1, and 6.2
Quiz #1

_____
_____April 22nd and 24th
Sections 6.3, 6.4
Quiz #2

April 29th and May 1st
Sections 6.6, 6.7, and review for the test
Test#1

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_____

May 6th and 8th
Sections 7.1, 7.2, and 7.3
Quiz #3

May 13th and 15th
Sections 7.4, 7.5, 7.6
Quiz #4

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May 20th and 22nd
Sections 9.1 and 9.2
Test #2

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_____
May 27th and 29th (Holiday of Monday May 27th)
Sections 9.3 and 9.4
Quiz #5

June 3rd and 5th
Sections 9.5,9.6, and 10.1
Quiz #6

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_____
June 10th and 12th
Sections 11.1 and 11.2
Test #3

_____
_____
June 17th and 19th
Section 11.3 and review for the final

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June 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.