

De Anza College Winter 2016

Course: Intermediate Algebra (MathD114.66)
Lecture: 6:30-8:45 PM Tue/Thurs Rm G2
Office Hours: 8:45-9:15 PM T/Th Room G2
PSME Web Site: <http://deanza.edu/psme/>

Instructor: Bill Abb
Email: abbwilliam@fhda.edu

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, 5th 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 Thursday, March 24nd from 6:15 to 8:15 pm.

Homework: Homework will be assigned each class session. Assignments will be collected each Tuesday. Each assignment will be worth 10 points.

Quizzes: Quizzes will be 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 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

February 16th and 18th
Sections 9.1, 9.2, 9.3
Test #2

February 23rd and 25th
Section 9.4 and
9.5
Quiz #5

March 1st and 3rd
Sections 9.6, and 10.1
Quiz #6

March 8th and 10th
Sections 11.1 and 11.2
Test #3

March 15th and 17th
Section 11.3 and Review For the Final

March 24nd
Final Examination: 6:15-8:15 PM