

De Anza College Spring 2019

Course: Intermediate Algebra (MATH D114.29)
Instructor: William Abb
Lecture: 4:00-6:15 Mon/Wed Rm: MLC 112
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 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 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

Spring 2019 Math 114 (Abb)

April 8th and 10th

Sections 1.6, 1.7, and 4.3

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

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

May 20th and 22nd

Sections 9.1 and 9.2

Test #2

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

June 10th and 12th

Sections 11.1 and 11.2

Test #3

June 17th and 19th

Section 11.3 and review for the final

June 26th

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.