

Syllabus, Math 114.10, CRN 43030, Spring 2016

Instructor: Ms. Rani Fischer, fischerrani@fhda.edu

Office Hours: 8-8:30 am in S45 or after class by arrangement

Classroom: G6

Textbook: Clark & Anfinson, *Intermediate Algebra: Connecting Concepts Through Applications*, 2012 (hardcopy of book not required with WebAssign ebook)

What to bring every day: textbook, notebook, loose-leaf paper, pencils, two colored pens, graph paper. Also, 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.

Class Rules: Be considerate and respectful. No texting on cell phones.

Objectives:

- 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:

Evaluate real-world situations and distinguish between and apply linear and quadratic function models appropriately.

Analyze, interpret, and communicate results of linear and quadratic models in a logical manner from four points of view - visual, formula, numerical, and written.

Demonstrate an appreciation and awareness of applications in their daily lives.

Homework: All HW will be on WebAssign.net. You will need need to buy the code and ebook (\$68.65) using the "Class Key" which is "**deanza 3422 4612**". **To sign up for WebAssign HW, go to Webassign.net, click on "Students", then click "I have a Class Key", then type in **deanza 3422 4612** in the three boxes. You may also opt for the two week trial period if you can't pay for it right away. For those of you who took Math 212 using Webassign, you should not have to do anything. You still have complete access to the online HW.**

Need help registering on WebAssign?

<http://services.cengage.com/dcs/ewa/start/resourcelist/#/student-resources-selftraining-videos/registration-and-log-in>

Need help logging into Webassign? Contact Webassign Tech Help: (800) 955- 8275

http://www.webassign.net/info/contact_us.html

http://www.webassign.net/user_support/student/index.html Mon.–Thurs. 6am– 7pm. PST ;
Fri. 6am –5pm PT ; Sun. 8am–5pm PST

Quizzes: You will have a quiz every week based on HW problems. No make-ups allowed.

Tests: There will be several tests and a Final Exam. Each test, in addition to covering the current material, will contain several problems from previous chapters to help you retain cumulative information. The tests will be closed books and closed notes.

Final Exam: A comprehensive cumulative final exam will be given on Tuesday, June 21, 9:15-11:15 am.
Students must score a 60 or above on the final exam to pass.

Grading:

Homework-20%

Quizzes-20%

Tests-30%

Final Exam-30%

Course Grade:

90-100% =A

80-89% = B

69-79% = C

60-69% = D

below 60% =F

Advice: This is a very intense and fast-paced course, and **you must have time to do the HW.** Start the HW as soon as you can. Start early and take breaks.

Educational Access: For information/ questions about eligibility, support services or accommodations due to disability (physical or learning disability) see below. Also, please see instructor to discuss your situation.

Disability Support Service (DSS): Student Services Building (408) 864-8753; TTY (408) 864-8748

Educational Diagnostic Center (EDC): Learning Center West 110; (408) 864-8839

Special Education Division: 864-8407; www.deanza.edu/speciale