

Intermediate Algebra
Math – D114 - 31
De Anza College – Winter 2016

Time & Location: TTh 4:00 – 6:15 pm, G-10

Instructor: Mary Halloran email: halloranmary@fhda.edu

Office Hours: TTh 3:00 – 4:00 S43 (Math Tutoring Center)

Text/Materials: *Intermediate Algebra for College Students, 5th edition*, Robert Blitzer & TI-83/84/86 or equivalent calculator.

Prerequisite: Qualifying score on the Math Placement Test within last calendar year; or Mathematics 212 or equivalent with a grade of C or better.

Course Description: Application of exponential and logarithmic functions, rational functions, and sequences and series to problems. Emphasis on the development of models of real world applications and interpretation of their characteristics.

Student Learning Objectives:

- A) Evaluate real-world situations and distinguish between and apply exponential, logarithmic, rational, and discrete function models appropriate.
- 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.

Course Objectives:

- A) Develop, throughout the course as applicable, systematic problem solving methods
- B) Investigate the characteristics of rational expressions
- C) Develop rational function models to solve problems
- D) Explore the concepts of inverse relation and inverse function
- E) Investigate the graphical and numerical characteristics of exponential relationships and describe their meaning in the context of a problem
- F) Explore logarithmic functions
- G) Develop exponential and logarithmic function models to solve problems
- H) Investigate distances on a number line and in a plane and develop the equation of a circle
- I) Explore sequences and series
- J) Use systems of three linear equations to solve real world problems (optional)
- K) Investigate, throughout the course as applicable, how mathematics has developed as a human activity around the world

Grading Policy:

- Quizzes 10%
- Exams (3) 60% (20% each)
- Final Exam 30%

If you successfully present 5 homework problems on the board during the course of the quarter, then these percentages will be:

- Quizzes 10%
- Exams (3) 20-20-15 (Lowest exam counts 15%, others 20%)
- Final Exam 25%
- Homework Presentations 10%

Attendance/Classwork

You are expected to attend every class. If you cannot make it for any reason, I recommend you contact a fellow classmate to get any notes you may have missed. You are expected to have access to your textbook every class as well as your graphing calculator. I will often give you problems out of your textbook to work on either individually or with a small group so make sure you have lots of extra paper and pencils.

Homework

Will be assigned but not collected or graded. Homework assignments represent the student's opportunity to learn what was taught, by practicing both mechanical skills and problem-solving techniques. The student is expected to do, and is responsible for, all problems associated with the sections of the text covered each class meeting.

Quizzes

Quizzes will be given every week (with the exception of exam days). They will be based on the homework exercises and class examples. I will be dropping your lowest quiz score.

Exams

There will be three in-class exams during the quarter. These exams will emphasize, but not be limited to, the material, including proper mathematical notation, covered in class. No make up exams will be given, even if the absence is excused. It is difficult to find an extra room and time to give a make up exam.

Final Exam:

The final exam will be comprehensive and will take place on **Thursday, June 23rd**, 4:00-6:00 pm.

If you cannot take the final exam at the scheduled time, please do not enroll in this class. I cannot make accommodations for different final exam times.

Approximate guidelines for final letter grade (no curving nor extra credit)

98 – 100%	A+	92 - 97.99%	A	90 – 91.99	A-
88 – 89.99	B+	82 – 87.99	B	80 – 81.99	B-
78 – 79.99	C+	70 – 77.99	C	60 – 69.99	D
Below 60%	F				

Grade Changes: Grade changes are made only for clerical errors. I will not change grades for any other reason.

Adding/Dropping As per school policy, if a student is absent the first week of class, I am required to drop this student from the course. After the second week of class, students will not be automatically dropped for nonattendance. However, I reserve the right to drop students for nonattendance if a student is absent for more than three consecutive class periods. I stress though, it is the student's responsibility to officially withdraw from this course. I suggest you pay strict attention to the drop dates listed in your student handbook, schedule of classes, and the Portal.

Academic Honesty: Studies have shown that working in groups can improve performance in math class, so I encourage you to form your own study groups. You must, however, be able to explain the work and solve problems on your own and ultimately, you will be taking your own tests. Cheating on tests, copying someone else's work, having someone do your work for you, or letting someone copy your work is not allowed. If you are dishonest, you will be reported to the dean of student affairs and other consequences may occur due to the severity of the problem. Please review other consequences and definitions of cheating, plagiarism, and other academic dishonesty at <https://www.deanza.edu/studenthandbook/>

Disruptive Behavior: De Anza College will enforce all policies and procedures set forth in the *Standards of Student Conduct* (see catalog). Disruptive behavior can include, but is not limited to, the following: verbal abuse, physical abuse or threats, willful damage to person or college property, inordinate demands for time and attention, harassment, discrimination, or disruption in the classroom. Disruptive behavior will not be tolerated because it interferes with the educational process or deprives others of the right to learn, the right to service, and/or the right to feel safe.

Any student disrupting a class may be asked to leave that class for the day. Failure to vacate the premises will result in Campus Security immediately being called to remove the student from the class. Administrative follow-up with PSME Division Dean and/or Dean of Student Development will result.

Accommodations To obtain disability-related accommodations, students must contact the Disability Support Services Department (DSS) as early as possible in the quarter. The link for DSS is <https://www.deanza.edu/dss/>.

If you already have an accommodation notification from DSS, please contact me privately to discuss your needs.

Religious Holidays: If you observe a religious holiday during the quarter, please inform me by the second week of classes so that I can make any necessary adjustments to the calendar.

IMPORTANT: PLEASE READ THE NEXT PARAGRAPHS:

- There is no reason to have a cell phone, smart phone, text messaging device, personal listening device (iPod, MP 3 player, etc) or pager in operation in class. Make sure the device is in an OFF mode when you enter class and put away (in a pocket, purse, back-

pack, etc.) when you enter class so as not to interrupt class if called or texted. If you have an emergency situation where you are expecting a call, please let me know before the class starts.

- Once you enter class you are expected to stay in your seat until class is dismissed or a ten minute break is given. Obviously, this also holds true during time allotted for a quiz, exam or final. You are not allowed to pop in and out of class to deal with cell phone or messaging issues, smoke a cigarette or use the bathroom. Please take care of all the above before you come to class or during class break. If you have a physical problem where you might have to use the bathroom during class, please let me know before class starts.
- No eating in the classroom. Crinkling wrappers, chewing noises and smells are distracting.

This Syllabus is tentative and subject to change. Any changes will be announced in class.