Math 111 ELEMENTARY ALGEBRA

Spring 2010   TuTh 8:10 – 9:25 (Section AA)

Instructor:	Jon Freedman
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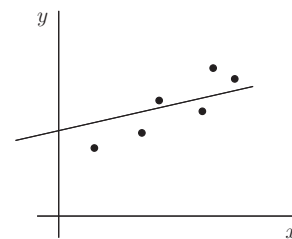
Office Hours: M 1:30–2;   TuTh 9:30–10, 1:30–2:30;   W 1–1:30   F 12–1; and by appointment

Prerequisite: Math 811 with C or better, or appropriate score on placement test.

Text: Lehmann, Jay. *Elementary Algebra Graphs & Authentic Applications.*
First Ed. Upper Saddle River, NJ: Pearson Custom Publishing, 2008.
(Walking in fields front cover, busker at Louvre pyramid back cover.)

Materials: A TI–84 (or TI–83+) graphing calculator is required for this course. Other graphing calculators may perform the same functions and may be acceptable but see me about this. If you have a TI–89, TI–92, or other technology that can perform symbolic manipulations you may not be allowed to use it on some forms of assessment.

Important Dates:

Last day to Add this course:	Monday, February 1
Last day to Drop this course without a W:	Monday, February 1
Last day to Withdraw from class:	Thursday, April 29
Holidays:	2/12 – 15; 3/10–12; 4/5 –9
Last regular class:	Thursday, May 20
Final Exam (comprehensive):	Thursday, May 27 8:10 – 10:40am

Assignments: Homework quizzes consisting of ⬚boxed⬚ problems from current assignments will be given weekly unless otherwise noted. There will be no make-up quizzes given. The last class of every week the assignments for the week (both HW and in-class) will be collected. 50% of your homework grade comes from HW quizzes and the other 50% comes from completed assignments. If you do not complete the assignment in time for the quiz, you may receive partial credit (25%) for getting the boxed problems checked (and signed off) in the TLC and submitting them with the assignments due at the end of the week.

Some assignments you will submit electronically through MyMathLab (your code is included with your textbook or e-book).

Grading:

Assignments (homework, classwork, quizzes) (30%)

3 – 5 Tests (50%)

Final (20%)

I will drop your worst test score (Not the final). There will be no makeup tests. If you are late for a test you will have only the remaining time to complete the test (so don't be late). If you know you are going to miss a test date, contact me at least three days in advance and we can arrange an alternate test to be taken in advance of the class test date.

I will excuse two homework quizzes and one week-long assignment set (or drop your lowest score if you submit all of them). I will drop your worst quiz. There will be no makeup quizzes.

Grading Scale:

$$A \geq 90\%$$
$$80\% \leq B < 90\%$$
$$70\% \leq C < 80\%$$
$$60\% \leq D < 70\%$$
$$F < 60\%$$

Attendance: You will not be graded directly on your attendance. However, your involvement in class and your participation in the process of discovering concepts will be fundamental in your understanding of algebra. Tests will be based largely on material discussed and practiced during class. You might want to note that historically very few students with more than 6 absences have passed this class.

Withdrawal Policy: If you decide to drop this class you must do so formally either by using WebSMART or by filing the correct form with the registrar's office. If you miss more than 6 classes and still desire to remain in the class you must meet with me and convince me that you can learn the material necessary to pass the class.

Course Contents: We will cover the majority of Chapters 1 through 6 as well as some supplemental materials. In completing this course you can expect to have done the following:

Big Ideas:

1. Through real world applications students will create, manipulate, and interpret mathematical models of relationships defined by either a constant rate of change or a constant relative rate of change.

   Interpretation: Given real data and a real world situation, you will generate the appropriate linear or exponential model and use it to describe the behavior of the data as well as anticipate future behavior.

2. Students will recognize, apply, and interpret rule of 4 representations of key course elements.

   Interpretation: You will develop a reference guide of multiple representations (graphic, symbolic, numerical/data, verbal/applied) of linear and exponential functions and their applications.

3. Students will develop skills and attitudes for effectively solving problems at an introductory algebra level.

   Interpretation: You will be exposed to a variety of problem solving situations culminating in a portfolio of your accumulated work. Using your portfolio you will evaluate your progress as a problem solver.

Tutoring: The Learning Center (TLC) is an outstanding resource for semi-free tutoring in all of your classes. You should visit TLC at the slightest sign of confusion or just as a place to sit and work in a supportive environment. The Learning Center staff is well trained and dedicated solely to your success, so don't waste this resource!
My Mathlab provides extensive tutorial assistance for help with course content so please explore your resources. Also, a DVD for calculator assistance is available – ask me. If you have any interest in Mathematics, Engineering, or Science you may wish to join MESA and make use of their tutoring and counseling services.

Assistance: In Coordination with the DSP&S office, reasonable accommodations will be provided for qualified students with disabilities. If you have an accommodation letter, please meet with me during my office hours to discuss your needs. For more information, please contact DSPS office in building 2) at 738-4280.

Academic Dishonesty: I strongly encourage you to form study groups and to work together to understand the material covered in this class. Explaining a concept is a valuable way for you and the listener to develop your insight and your skills. Simply copying work, whether it is from an assignment or a test, is of no value to you academically. Consequently, if I find that you are submitting any part of another's work as your own, you will not receive credit for this course. The same holds true for any other kind of academic dishonesty. There is no situation that could arise in this class that would justify risking expulsion. If you are having any difficulty, PLEASE see me about it so that we can work together in resolving the issue.