MATHEMATICS 1090-03 FALL 2013 SYLLABUS

Instructor: Drew Johnson

Class Time and Place: 9:40-10:30am, WEB 2250

Final Exam: Monday, December 16, 3:30-5:30. Note that this is a department final, so it is at a different time than the university final schedule.

Office Hours: TBA. First week by appointment.

Office Location: JWB 331

Office Phone Number: 801-581-5722

E-mail address: jjohnson@math.utah.edu

Canvas: I will be using Canvas for all online course communications this semester. It is your responsibility to make sure you are receiving the course announcements, etc.

Text: (1) Business Algebra, 3rd edition, by MacArthur

(2) Additional notes may be posted online.

The textbook will be available in eBook format only. I will provide you with a link to purchase it.

Tutoring Lab: T. Benny Rushing Mathematics Student Center (adjacent to JWB & LCB), Rm 155 M - Th 8am - 8pm, F 8am – 6pm

Private Tutoring: University Tutoring Services, 330 SSB (they offer inexpensive tutoring). There is also a list of tutors at the Math Department office in JWB233.

Calculators: You may use any calculator you'd like for this homework in this class. For some exams, scientific calculators are allowed, but graphing, programmable, or cell phone calculators are NOT allowed. A scientific calculator (with exp and log) will be required for some chapters. You need to provide your own calculator.

Grading: The grades will be calculated as follows:

- Weekly Homework 10%
- · Midterm 25%
- · Midterm 25%
- Midterm 10%
- Final Exam 30%

(Note: There will be 3 midterms. Your lowest midterm score will count for 10% of your grade and your top two midterm scores will each count for 25% of your final grade.)

Weekly Homework:

I will collect homework during the first class of each week. All of the assigned homework except the homework assigned the previous class period is due. I will post the dates and the problem numbers on Canvas.

Each section of homework will be worth ten points. For example, if you have three sections of homework assigned for one week, then that homework set is worth a total of 30 points. You will get the full credit if you DO every problem. There will not be enough time to check every problem for correctness, so it is your responsibility to make sure you understand the problems and their solutions.

All the answers are in the back of the book. Practice is very important in a math class like this: you are unlikely to succeed if you do not do the homework faithfully.

Collaboration on homework is encouraged; however, each student must turn in his or her own work. Working with others is often more fun, and you will solidify the concepts as you teach each other. Be warned however, that you need to be able to solve the problems by yourself so you can perform on the test.

You homework must be stapled together and clearly labeled so the graded can easily see what you have done.

I will accept 10 late homework *sections*, up to two weeks late, throughout the semester for full credit. I will not accept homework more than two weeks late unless you make previous arrangements with me. I accept these late homework sections to allow for illness, oversleeping, hectic schedules, etc. It is not necessary to explain why the homework is late, unless you have extraordinary circumstances that cause you to exceed the 10 section limit. I will not "drop" any homework scores.

Grades online: I will post your grades online using Canvas. You should periodically check to make sure that there has not been any data entry errors in your grades.

Grading Scale: Your grade will be at least as good as the standard distribution: A (93- 100), A- (90-92), B+ (87-89), B (83-86), B- (80-82), C+ (77-79), C (73-76), C- (70-72), D+ (67-69), D (63-66), D- (60-62), E (0-59). The cutoffs may be more generous than this depending on the difficultly of the tests.

Other Policies:

- No exam retakes. Notice that your worst test will count for less of your grade, as described in the Grading section.
- You may take an alternate exam only if you talk to me about it first and explain the *extenuating* circumstances that make it necessary. It is your responsibility to communicate with me as soon as possible, before the exam occurs (or as soon as possible in the case of an unforeseeable emergency). Talking to me after the problem may be sufficient reason for you to get a zero on that test.
- If you have crisis-level extenuating circumstances which require flexibility, it is completely your responsibility to communicate with me as soon as possible. The longer you wait to communicate with me, the less I can and am willing to do to help.
- If you have questions about any exam grade, or you want to appeal the grading of the exam, you
 must contact me within two weeks of when the exam was returned. After that, you will have to live
 with whatever grade you got.
- Extra credit is not available on request.
- · If I see your cell phone out during an exam, that may be sufficient reason to get a zero on the exam.

Course Topics: Functions and graphs, polynomial and rational functions, matrices, Gaussian elimination, exponential and logarithmic functions, growth, periodic and continuously compounded interest, arithmetic and geometric series, annuities and loans.