Math 1090-5 Syllabus

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Office Hours: Monday 12:45-1:45, Wedsday 12:45-1:45, Friday 10:45-11:45, or by appointment

This course will cover the basics of algebra and some applications. This course is also designed to prepare you for the next class in the sequence: math 1100 or buisness calculus The text we will use is *Mathematical Applications for the Management, Life and Social Sciences*, 7th edition, by Harshbarger and Reynolds. Much emphasis will be put on the applicability and neccesity of algebra in the modern world.

Homework Policy: Homework will be given nearly everyday. Homework will be collected every Friday at the begining of class. Homework will not be collected late. The instructor or a grader will only grade select problems. Homework must be done neatly and must be stapled or points will be deducted. You must show all work for full credit. Simply puting an answer down that you obtained from your calculator gets you only a fraction of full credit.

Test Policy: All types of calculators are allowed for tests and homework. Do not think you can rely on this technology to help you pass the tests! You must show all work for full credit. Furthermore, my tests will be constructed to test your critical thinking ability, which is somthing calculators are bad at and people are good at. Calculators will not be needed to take the tests as long as you can do basic arithmetic, know your basic multipication table, and can add/subtract simple fractions. Few points will be deducted for numerical mistakes. I concentrate more on sound thinking and sound methods. The exams will not be curved. If you cannot make it to class the day of a test you must arrange with me to take the test *before* the original test date. No exceptions will be made. The final is comprehensive and department wide. Much of your grade will depend on your performance on the final.

Grading Policy: 10% homework, 90% exams. If X is your percentage grade then $X \geq 90\% \Rightarrow A, X \geq 80\% \Rightarrow B, X \geq 70\% \Rightarrow C, X \geq 60\% \Rightarrow D$. There will be three "midterm" exams and a final. The exams will not be curved.

Tentative Course Outline

Review, Chapter 0 sections 0.1-0.7

Chapter 1 sections 1.1-1.6 linear equations and functions

First Exam (100 points)

Chapter 2 sections 2.1-2.4 special functions

Chapter 3 sections 3.1-3.4 matrices

Second Exam (100 points)

Chapter 4 sections 4.1-4.3 linear inequalities and linear programing

Chapter 5 sections 5.1-5.3 exponential and logarithmic functions.

Third Exam (100 points)

Chapter 6 sections 6.1-6.5 finance math

Final Exam (200 points) Wednesday May 5th 3:00-5:30pm

I want your feedback! At anytime during the semester you can anonymously give suggestions, concerns, and praise at the website http://www.math.utah.edu/gsac/evals.html