

**MATH 105**

**MATHEMATICS FOR BUSINESS AND ECONOMIC DECISIONS**  
Nicholls State University, Summer 2007

**Instructor:** Dr. Brian Heck  
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My office hours are 10:30-12:00 M-Th. Please contact me (phone, email, or in person) during these times if you have any questions. If you need assistance at a different time, let me know and we'll work something out.

**Prerequisite:** Math 101 (with a C or better) or advanced placement.

**Text:** Mathematics with Applications (9<sup>th</sup> ed.) by Lial, Hungerford, and Holcomb (Addison-Wesley)

**Calculator:** You will need to have at least a scientific calculator.

**Course Description (catalog):** Polynomial functions, exponential and logarithmic functions, mathematics of finance, systems of linear equations and inequalities, linear programming, probability.

**Course Description (instructor):** We will focus our attention this semester on linear equations and inequalities. We will cover most of Chapter 2, all of Chapter 6, and parts of Chapters 3 and 7.

**Course Objectives:** A student who completes this course will be able to:

- Solve linear equations and inequalities
- Solve systems of linear equations using substitution, elimination, and matrices
- Solve linear programming problems including applications
- Graph linear functions and inequalities
- Interpret graphs
- Solve applications involving linear equations and systems of linear equations
- Perform elementary operations with matrices

**Grading Policy:** We will have three exams and a comprehensive final. The three exams will be worth 100 points each and the final will be worth 200 points. If your average on the three exams is 80% or better you will be exempt from the final. At the conclusion of the semester, you will be assigned a letter grade based on the usual 10% scale (A: 90-100%, B: 80-89%, etc).

**Attendance:** I will not include attendance as part of your course grade. I am not your

mother or your parole officer, and this is not high school. I do, however, expect you to attend class everyday. You are responsible for all material covered in class.

***Instructor Expectations:*** Come to class prepared to learn. In order to understand what we are doing in class, it will be necessary for you to do problems outside of class, and it would be beneficial to you to read the text prior to our covering the material in class. I also expect you to take responsibility for your achievement (or lack thereof) in this class. I am more than happy to help you succeed, but it will take effort on your part as well. I firmly believe that if you (1) come to class and pay attention, (2) do your homework, and (3) ask questions when you get confused, you will do very well in this course. It is assumed that you are attending this university because you have a desire for higher learning. It is therefore expected that you will pay attention, be respectful of your instructor and fellow students, and follow the Code of Student Conduct. Instances of academic dishonesty will be dealt with severely. If you are caught cheating, you will fail this course. Similarly, if you are a disruptive presence in the classroom, you will be dropped from the class.

***Important Dates***

Test #1 – Friday, June 22, 2007

Test #2 – Friday, July 6, 2007

‘W’ Day – Thursday, July 12, 2007

Test #3 – Wednesday, July 18, 2007

Final Exam – Monday, July 23 10:00-12:00

***Disability:*** If you have a documented disability that requires assistance, you will need to register with the Office of Disability Services for coordination of your academic accommodations. The Office of Disability Services is located in Peltier Hall, Room 100-A. The phone number is (985) 448-4430 (TDD 449-7002).