Instructor  
Dr. John Francis  
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Office Hours  
By appointment

Course Objectives  
This course is designed for incoming MBA students who have not been exposed to essential quantitative analysis topics during their undergraduate studies. It is designed as a fast track course where students work through the material at their own pace. This course will focus primarily on the analytical/mathematical techniques used in the MBA program. Topics will include graphing, slopes of lines, functions, optimization, some basic calculus, multivariate functions and ordinary least squares.

Text  

This is an electronic text that is packaged with the MyMathlab software that students will use to complete their coursework.

MyMathlab  
All coursework will consist of exercises provided on the course MyMathlab website. For each chapter that is covered there is a chapter to read, which includes some interactive exercises which students are encouraged to complete. In addition, there is set of additional Homework problems for each chapter. These exercises will not be graded, however completion of these exercises will greatly improve the student’s probability of passing the final exam. A detailed list of these assignments as well as a recommended schedule for completion is available on the MyMathlab site. A link to this site will be on the course Moodle site as soon as it becomes available. **You will not be able to complete this course if you do not register for MyMathlab.**
Grading
This is a pass/fail course. Grades will be determined solely by the score on a final exam consisting of 35 multiple choice questions. Students must score 70% or better on this exam to receive a passing grade. A student may retake the exam if they fail on the first try. Note that the second exam will cover the same material but will not be the same exam. If the student fails the second attempt a third attempt is permitted. However, a student that fails all three attempts will receive a failing grade for the course. Note that this is a timed exam (2 hours). Do not begin the exam unless you are prepared to finish it. If you fail to submit an exam you will be locked out of that exam.

Outline
The following gives a brief outline of the topics covered in the course.

1. Linear Equations and Graphs
2. Functions and Graphs
3. The Mathematics of Finance
4. Derivatives
5. Optimization and Graphing
6. Multivariate Functions: Homogeneity, Concavity and Convexity
7. Partial Derivatives
8. Ordinary Least Squares

Special Needs
Students needing special accommodations should speak with me as soon as possible to ensure that we can make the proper arrangements.

Honor Code
Students are expected to read, understand and adhere to the Louisiana Tech Academic Honor Code, found at www.latech.edu/tech/students/honor-code. Failure to follow the Honor Code may result in a failing grade for the course or, in some instances, expulsion from the University.

ENS & BOSS
Louisiana Tech is using an Emergency Notification System (ENS) provided by the Board of Regents so that students and employees can be notified quickly and efficiently in the event of an emergency. Students are encouraged to enroll in this system and keep your contact information current. Students are also encouraged to keep their BOSS contact information current.
**Disaster Policy**  In the event of a campus wide disaster (e.g. a tornado, hurricane, etc…) this course will continue via the course Blackboard site. You will be expected to check this site for course materials and assignments even if campus is shut down.

**Nondiscrimination**  Louisiana Tech University adheres to the equal opportunity provisions of federal and civil rights laws, and does not discriminate on the basis of race, color, national origin, religion, age, sex, sexual orientation, marital status or disability.

**Drop Date**  The last day to drop with a grade of W is Friday, October 30, 2015.