Prerequisites

MAT 131 or placement by the Mathematics Diagnostic Test. Prerequisites are strictly enforced by the Math Department. A prerequisite can only be waived by the approval of the instructor and the department chair.

Textbooks and other materials


A scientific calculator such as the TI 84 Plus is required.

Summary of Course

Chapter 2 - Limits

2.1 the idea of limits
2.2 definitions of limits
2.3 techniques for computing limits
2.4 infinite limits
2.5 limits at infinity
2.6 continuity

Chapter 3 - Derivatives

3.1 introducing the derivative
3.2 rules of differentiation
3.3 the product and quotient rules
3.4 derivatives of trigonometric functions
3.5 derivatives as rates of change
3.6 the chain rule
3.7 implicit differentiation
3.8 derivatives of logarithmic and exponential functions
3.9 derivatives of inverse trigonometric functions
3.10 related rates
Homework and Grading Policy

Midterm and final exams, in class and closed book will count equally in determining a preliminary grade. Homework will be assigned each class day, discussed the next class day, collected the next class day and will increase or decrease the preliminary grade by at most one grade. For example, B+ and satisfactory homework = A-. Make-up exams will not be given. The final exam will be from 11:45-2 on Tuesday, November 22, 2011.

Methods

Classroom lectures and discussion.

DePaul University's Academic Integrity Policy

Unless notified otherwise, for regular textbook problems and problem sets you should feel free to help (and be helped by) each other in groups if you so desire. However you are responsible for understanding any and all work handed in with your name attached, and all cooperative efforts must be duly noted. Students must abstain from any violations of academic integrity and set examples for each other by assuming full responsibility for their academic and personal development, including informing themselves about and following the university's academic policy. Violations of academic integrity include but are not limited to the following categories: cheating; plagiarism; fabrication; falsification or sabotage of research data; destruction or misuse of the university's academic resources; alteration or falsification of academic records; and academic misconduct. Conduct that is punishable under the Academic Integrity Policy could result in additional disciplinary actions by other university officials and possible civil or criminal prosecution. To review the complete Academic Integrity Policy of the University, please go to http://sr.depaul.edu/catalog/catalogfiles/Current/Undergraduate%20Student%20Handbook/pg18.html.

Students with Disabilities

Students who feel they may need an accommodation based on the impact of a disability should contact me privately to discuss their specific needs. All discussions will remain confidential. To ensure that you receive the most appropriate accommodation based on your needs, contact me as early as possible in the quarter (preferably within the first two weeks of class), and make sure you have contacted the PLuS Program (for LD and/or AD/HD) at 773-325-1677 in Student Center 370, or The Office for Students with Disabilities (for all other disabilities) at the same location and telephone number.