Prerequisites

MAT 150 or MAT 160. A prerequisite can only be waived by the approval of the instructor and the department chair.

Textbooks and other materials


Summary of Course

Applications of Derivatives

4.7 Antiderivatives

Integration

5.1 Area and Estimating with Finite Sums
5.2 Sigma Notation and Limits of Finite Sums
5.3 The Definite Integral
5.4 The Fundamental Theorem of Calculus
5.5 Indefinite Integrals and the Substitution Method
5.6 Substitution and Area between Curves

Applications of Definite Integrals

6.1 Volumes: Using Cross-Sections
6.2 Volumes Using Cylindrical Shells

Transcendental Functions

7.1 Inverse Functions and Their Derivatives
7.2 Natural Logarithms
7.3 Exponential Functions
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 to 2 on Tuesday, March 19, 2013.

Methods

Classroom lectures and discussion. The tutoring lab is located in SAC 521 (LPC) and also in Lewis Center 1662 (Loop). The tutoring lab opens every second week of classes and no appointment is necessary. The lab is available M-F and the schedule can be found online and on the doors of the tutor labs. Saturday tutoring is available in Lincoln Park only in LEVAN 5th floor lobby area. For the current schedule, go to http://csh.depaul.edu/departments/mathematical-sciences/Documents/tutor%20schedule.pdf

DePaul University's Academic Integrity Policy

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://tinyurl.com/cv2c8xo.

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 Center for Student Disabilities at 773-325-1677 in Student Center 370.