21-256 Multivariate Analysis and Approximation, Spring 2003

Lectures: 1^{30} M, W, F; PH 100
Lecturer: Professor Ruszinkó
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Usual office hours: M, W 11^{20} – 12^{20}
Recitation: TuTh

- Sec A: 12^{30} WEH 5403, Adrian Tudorascu
- Sec B: 12^{30} BH 235B, David German
- Sec C: 12^{30} SH 220, Aris Winger
- Sec D: 1^{30} SH 220, Aris Winger
- Sec E: 2^{30} WEH 6423, Adrian Tudorascu
Teaching assistants:

Adrian Tudorascu (Sec A&E)
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Textbooks:


Parts (JS 11.9-10, 12.1, 12.5, 14.1-8, RW Ch 2,5,6) will cover the main part of this course but the content of the course is defined by topics covered during the classes. Additional notes will be used for the material on compound interest.
Topics to be covered. Geometric sequences and series and their applications in compound interest, power series, Taylor’s Theorem; vectors, lines, planes; partial derivatives, directional derivatives, gradient, chain rule, maximum-minimum problems, Lagrange multipliers, Kuhn-Tucker Theorem.
Grading policy. There will be 2 tests and a final. The final will be given during the last lecture (05/02/03) in the class (PH 100). Tests and the final will count approx. 4/5, homeworks 1/5 of the grade to be given at the end of the course. More precisely the grade will be computed as follows.

\[ G = 0.2HW + 0.5TEST + 0.3FINAL. \]
Everything to be submitted for grading must be done independently by each student. No books, notes, calculators can be used during tests and the final!

There will be a web page for the course and blackboard will be used.