



UM101 Aug 3:0

Analysis I

Instructor

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Teaching Assistant

Email:

Department: Undergraduate

Course Time:

Lecture venue:

Detailed Course Page:

Announcements

Brief description of the course

For first-year undergraduates. Compulsory

Prerequisites

None

Syllabus

One-variable calculus: Real and Complex numbers; Convergence of sequences and series; Continuity, intermediate value theorem, existence

of maxima and minima; Differentiation, mean value theorem, Taylor series;

Integration, fundamental theorem of Calculus, improper integrals. Linear

Algebra: Vector spaces (over real and complex numbers), basis and

dimension; Linear transformations and matrices.

Course outcomes

Introduction to analysis

Grading policy

20% " Quizzes

30% â€“ Midterms

50% â€“ Final

Assignments

Resources