COURSE DETAIL

ANALYSIS 1
Country United Kingdom - England
Host Institution University of Sussex
Program(s) University of Sussex
UCEAP Course Level Lower Division
UCEAP Subject Area(s) Mathematics
UCEAP Course Number 40
UCEAP Course Suffix
UCEAP Official Title ANALYSIS 1
UCEAP Transcript Title ANALYSIS 1
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

Starting from the concept of limit of a sequence, learn how it is possible to give a precise meaning to the concepts of "infinite", "infinitely small", and "infinitely large". Students also learn how to work with series, and understand how these tools can be applied to define limits of functions. Students see some of the concepts that they have covered in school in a new light, and analyze them in great depth. Students learn how to give rigorous proofs of mathematical statements, and how to sketch the graph of a function.

Language(s) of Instruction
English

Host Institution Course Number
G5135

Host Institution Course Title
ANALYSIS I

Host Institution Course Details
https://www.sussex.ac.uk/study/modules/undergraduate/2024/95086-analysis-1

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Mathematics

Course Last Reviewed
2025-2026

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