COURSE DETAIL

SEQUENCES AND SERIES
Country United Kingdom - England
Host Institution King's College London
Program(s) King's College London
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Mathematics
UCEAP Course Number 137
UCEAP Course Suffix
UCEAP Official Title SEQUENCES AND SERIES
UCEAP Transcript Title SEQUENCES & SERIES
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

This course provides an introduction to sets and functions: defining sets, subsets, intersections and unions; injections, surjections, bijections.; compositions and inverses of functions; an introduction to mathematical logic and proof: logical operations, implication, equivalence, quantifiers, converse and contrapositive; proof by induction and contradiction, examples of proofs. These ideas are then applied in the context of the real numbers to make rigorous arguments with sequences and series and develop the notions of convergence and limits.

Language(s) of Instruction
English

Host Institution Course Number
4CCM115A

Host Institution Course Title
SEQUENCES AND SERIES

Host Institution Course Details
https://www.kcl.ac.uk/abroad/module-options/sequences-and-series-1

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Mathematics

Course Last Reviewed
2024-2025

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