COURSE DETAIL

DISCRETE MATHEMATICS
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 118
UCEAP Course Suffix
UCEAP Official Title DISCRETE MATHEMATICS
UCEAP Transcript Title DISCRETE MATHEMATIC
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

Topics include elementary properties of integers; functions and their behavior; an introduction to recursion; algorithms and complexity; graphs including Euler's Theorem; shortest path algorithm and vertex coloring; trees - applications include problem solving and spanning trees; directed graphs including networks; dynamic programming; codes and cyphers - with Hamming codes and RSA.

Language(s) of Instruction
English

Host Institution Course Number
5CCM251A

Host Institution Course Title
DISCRETE MATHEMATICS

Host Institution Course Details
https://www.kcl.ac.uk/abroad/module-options/module?id=64df9b29-e01f-4d4e-91ec-e...

Host Institution Campus
King's College London

Host Institution Faculty

Host Institution Degree

Host Institution Department
Mathematics

Course Last Reviewed
2022-2023

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