

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 ciphers - 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

[Print](#)