

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 Campus

King's College London

Host Institution Faculty

Host Institution Degree

Host Institution Department

Mathematics

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