

COURSE DETAIL

CALCULUS 2

Country

United Kingdom - England

Host Institution

King's College London

Program(s)

King's College London

UCEAP Course Level

Lower Division

UCEAP Subject Area(s)

Mathematics

UCEAP Course Number

50

UCEAP Course Suffix**UCEAP Official Title**

CALCULUS 2

UCEAP Transcript Title

CALCULUS 2

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

The course extends the methods of calculus of one variable to calculus for functions of many variables, that is, calculus on higher dimensional spaces. This involves concepts such as multiple integrals and partial derivatives, which enable us to make sense of the idea of length of a curve, area of a surface, and maxima and minima of functions of many variables. The final part of the course presents the great integral theorems: Green's Theorem, Stokes' theorem and the Divergence Theorem which form a cornerstone of mathematics.

Language(s) of Instruction

English

Host Institution Course Number

4CCM112A

Host Institution Course Title

CALCULUS II

Host Institution Course Details

<https://www.kcl.ac.uk/abroad/module-options/calculus-ii-1>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Mathematics

Course Last Reviewed

2025-2026

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