COURSE DETAIL

GEOMETRY OF SURFACES
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 146
UCEAP Course Suffix
UCEAP Official Title GEOMETRY OF SURFACES
UCEAP Transcript Title GEOMETRY OF SURFACE
UCEAP Quarter Units 6.00
UCEAP Semester Units 4.00

Course Description

This course looks at definition of a curve, arc length, curvature, and torsion of a curve, Frenet-Serret equations. It also looks at definition of a surface patch, first and second fundamental forms, isometries, conformal maps, area, Gaussian curvature, mean curvature, principal curvatures, Gauss map, geodesics, and Theorema Egregium.

Language(s) of Instruction
English

Host Institution Course Number
5CCM223A

Host Institution Course Title
GEOMETRY OF SURFACES

Host Institution Course Details
https://www.kcl.ac.uk/abroad/module-options/geometry-of-surfaces-1

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department
Mathematics

Course Last Reviewed
2024-2025

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