

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 Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Mathematics

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