

# 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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