

Geospatial Science (CEGE0094)

Description

The course covers generic concepts and techniques that apply to all aspects of geospatial sciences. Starting from a consideration of the nature of mapping and its uses, this also encompasses acquisition methods (including satellite and aerial imagery, laser scanning, positioning systems etc.) and fundamental concepts of reference systems. The course continues by looking at techniques for handling digital map data, and goes on to look at the work of national mapping organisations.

Outcomes

The aim of this module is to give students a broad view of the most significant techniques for acquiring spatial data through lectures, computer practicals, coursework, field trips and workshops. Students will gain knowledge of various methods of data acquisition and be able to describe the opportunities and challenges associated with particular techniques, and will develop their understanding of reference systems and geodesy. Students will understand the issues that arise in developing mapping and charting products from digital data, and the organisational frameworks in which data is acquired and utilised.

Key information

Year	2019/20
Credit value	15 (150 study hours)
Delivery	PGT L7, Campus-based
Reading List	View on UCL website
Tutor	Ms Liz Jones
Term	Term 1
Timetable	View on UCL website

Assessment

Find out more

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