Spatial Analysis and Geocomputation (CEGE0097)

Description
This course teaches the basics of spatial analysis and geocomputation. Students will be shown the ways in which spatial data can be digitally represented, and how these representations affect how spatial data are analysed. Students will learn a range of spatial analysis and geocomputational techniques including: • Spatial autocorrelation analysis • Spatial regression and interpolation • Kernel density estimation and clustering • Geographically weighted regression and local methods Students will apply their skills in a range of contexts, which may include crime science, transportation, geodeomographics and environmental sciences.

Key information
- **Year**: 2019/20
- **Credit value**: 15 (150 study hours)
- **Delivery**: PGT L7, Campus-based
- **Reading List**: View on UCL website
- **Tutor**: Dr James Haworth
- **Term**: Term 1
- **Timetable**: View on UCL website

Assessment
- Group project: 100%

Find out more
For more information about the department, programmes, relevant open days and to browse other modules, visit ucl.ac.uk

Disclaimer: All information correct as of December 2018. Please note that aspects of the module may be subject to change. UCL will make best efforts to inform applicants of major changes.
Civil, Environmental and Geomatic Engineering

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