



<b>Course Code &amp; Title</b>	LISS237B Geographic Information Systems (GIS) and Spatial Analysis 2				
<b>Convenor(s)</b>	Giulia Tozzi				
<b>Institution</b>	QMUL	<b>Department</b>		LISS DTP	
<b>Academic Year</b>	2021-22	<b>Term</b>		Summer	
<b>Number of sessions</b>	2	<b>Research Platform</b>	Quantitative Research (QuT)	<b>Length of Session(s)</b>	3 hrs each (1 full day)
<b>Day, Date</b>		<b>Start : End</b>		<b>Room Location</b>	
Friday 29 April 2022		9:00-12:00 / 14:00-17:00		Via Zoom	
<b>Enrolment Links:</b>	<a href="#">Click here</a> to register on Skillsforge. You may be prompted to log in. Questions? E-mail <a href="mailto:liss-dtp@kcl.ac.uk">liss-dtp@kcl.ac.uk</a>				

**Course Description:**

This course will be the natural extension of LISS237A *Geographic Information Systems (GIS) and Spatial Analysis 1*. In particular, it will build upon the latter and will provide the students with the tools to perform geoprocessing, spatial and quantitative analyses of spatial data.

The course will use the following software: ArcGIS, ArcPY, Python and STATA.

**Reading List:**

A bibliography with full references will be distributed in class, while for the use of ArcGIS the reference handbook will be provided by the instructor. Additional material (data/codes/etc.) will be distributed.

**Eligibility:**

The course LISS237B *Geographic Information Systems (GIS) and Spatial Analysis 2*, building on *pt1 (LISS237A)*, requires basic knowledge of GIS systems and spatial data, as well as basic knowledge of ArcGIS. The course, furthermore, requires intermediate skills in data management and analysis and the knowledge of STATA. The course is more suitable for research students with some quantitative background.

**Pre-course preparation:**

Prior to starting the course, students will need to download the software used throughout the course (ArcGIS and STATA). This will require an academic license for both the software. The version of Python used will be the one associated to ArcGIS.

**Training prerequisite(s):**

Completion of LISS237A *Geographic Information Systems (GIS) and Spatial Analysis 1* -or- equivalent.

**Number of students:**

Minimum number required to run: 2 / Maximum number of places available: 100