London Interdisciplinary Social Science Doctoral Training Partnership

Advanced Research Methods in Social Sciences

Course Code & Title	**LISS237A Geographic Information Systems (GIS) and Spatial Analysis 1**				
Convenor(s)	Giulia Tozzi				
Institution	QMUL		**Department**	LISS DTP	
Academic Year	2021-22		**Term**	Summer	
Number of sessions	1	**Research Platform**	Quantitative Research (QuT)	**Length of Session(s)**	4 hrs
Day, Date			**Start : End**	**Room Location**	
Wednesday 27 April 2022			14:00-18:00	Via Zoom	
Enrolment Links:	Click here to register on Skillsforge. You may be prompted to log in.				

Course Description:

The course presents and provides and overview of Geographic Information Systems and their usage across disciplines. It introduces the technicalities related to the construction and use of geographic data (using ArcGIS software). The course provides the students with an introduction on the software itself and an overview on visual creation and interpretation of geo-data (and associated maps). This course will be followed by a second and more advanced course on the topic (*Geographic Information Systems (GIS) and Spatial Analysis 2*).

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 *Geographic Information Systems (GIS) and Spatial Analysis 1* requires basic knowledge on data management and analysis. The current interdisciplinary usage of GIS tools make it interesting and useful for research students in many fields from humanities (e.g. history) to social sciences (e.g. economics) and natural sciences (e.g. bioscience).

Pre-course preparation:

Prior to starting the course, students will need to download the software used throughout the course (ArcGIS). This will require an academic license. Contact IT Services at your home institution to obtain a license key.

Number of students:

Minimum number required to run: 2

Maximum number of places available: 100