COURSE DETAIL

GIS FOR THE SOCIAL SCIENCES
Country Ireland
Host Institution University College Dublin
Program(s) University College Dublin
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Geography
UCEAP Course Number 115
UCEAP Course Suffix
UCEAP Official Title GIS FOR THE SOCIAL SCIENCES
UCEAP Transcript Title GIS/SOCIAL SCIENCES
UCEAP Quarter Units 4.00
UCEAP Semester Units 2.70

Course Description
This course introduces students to the use and application of a geographic information system (GIS). GIS allow the acquisition, processing, analysis, and visualization of spatial data, i.e. any data that can be assigned a location. GIS combine two of the major strands in geographic research: cartography and spatial analysis. The course uses an open source GIS application, familiarity with which forms the core of the work for the course. While learning how to use the software is an important part of the course, the focus of this course is on the basic components of GIS, the use of data and analysis and visualization of geographic data, and conducting research on substantive and topical issues. The lectures initially focus on mapping and the main parts of a GIS. Later lectures and the assessments are concerned with the tasks that a GIS is designed to handle, i.e. digitization, spatial analysis, and data management. An aspect of the course is the integration of GIS work with broader analyses and writing skills to produce relevant and comprehensible reports.

Language(s) of Instruction
English

Host Institution Course Number
GEOG20220

Host Institution Course Title
GIS FOR THE SOCIAL SCIENCES

Host Institution Course Details
https://sisweb.ucd.ie/usis/!W_HU_MENU.P_PUBLISH?p_tag=MODULE&MODULE=GEOG20220

Host Institution Campus
UC Dublin

Host Institution Faculty

Host Institution Degree

Host Institution Department

Geography

Course Last Reviewed
2019-2020

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