COURSE DETAIL

INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS
Country Hong Kong
Host Institution University of Hong Kong
Program(s) University of Hong Kong
UCEAP Course Level Upper Division
UCEAP Subject Area(s) Geography
UCEAP Course Number 119
UCEAP Course Suffix
UCEAP Official Title INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS
UCEAP Transcript Title GEOG INFO SYSTEMS
UCEAP Quarter Units 5.00
UCEAP Semester Units 3.30

Course Description

This course covers the computer-assisted techniques of geographic data analysis, collectively known as GIS, which involve the overlaying and merging of spatial data layers. The principles of such an approach are discussed focusing on the nature of spatial data, raster and vector data structures, GPS data collection, data transformation and geocoding, and spatial overlay techniques. Students complete five exercises involving the application of GIS concepts in real-life situations. An examination requiring short-essay responses will be administered during the examination period.

Language(s) of Instruction
English

Host Institution Course Number
GEOG2090

Host Institution Course Title
INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS

Host Institution Course Details
https://web.socsc.hku.hk/wp-content/uploads/2026/01/BASc_2024-25.pdf

Host Institution Campus

Host Institution Faculty
Social Science

Host Institution Degree

Host Institution Department
Geography

Course Last Reviewed
2025-2026

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