

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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