

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 introduces the concepts and techniques of geographic data analysis, collectively known as GIS, and their application to spatial problems affecting society. The principles discussed include the nature of spatial data, raster and vector data structure, data transformation and geocoding, modelling techniques, and accuracy evaluation of databases. The course includes a simple project embodying the application of the GIS concept in a real-life situation and develops an understanding of concepts in GIS and database management, GIS functions and limitations, and GIS requirements and application settings.

Language(s) of Instruction

English

Host Institution Course Number

GEOG2090

Host Institution Course Title

INTRODUCTION TO GEOGRAPHIC INFORMATION SYSTEMS

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Geography

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