

COURSE DETAIL

INTRODUCTION TO GEOGRAPHICAL INFORMATION SYSTEMS

Country

Ireland

Host Institution

University College Cork

Program(s)

University College Cork

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Geography

UCEAP Course Number

150

UCEAP Course Suffix**UCEAP Official Title**

INTRODUCTION TO GEOGRAPHICAL INFORMATION SYSTEMS

UCEAP Transcript Title

INTRO TO GIS

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This course provides an understanding of the key concepts underlying Geographical Information Systems (GIS), how Geographical Information (GI) may be defined, measured, structured and represented in a GIS, and the development of skills in the use and application of GIS through practical exercises. The course also covers the role of GI in society; the nature and construction of GI; measurement of location; principles and techniques of spatial data modelling; field-based and object-based conceptualizations of space, and their expression as spatial data structures; and concepts of spatial and non-spatial data retrieval, manipulation and analysis. Hands-on training in GIS will be provided in the laboratory sessions.

Language(s) of Instruction

English

Host Institution Course Number

GG6501

Host Institution Course Title

INTRODUCTION TO GEOGRAPHICAL INFORMATION SYSTEMS

Host Institution Course Details

<https://ucc-ie-public.courseleaf.com/modules-visiting-student/?keyword=GG6501&s...>

Host Institution Campus

Host Institution Faculty

Host Institution Degree

Host Institution Department

Geography

Course Last Reviewed

2025-2026

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