

COURSE DETAIL

HANDS ON GIS

Country

Netherlands

Host Institution

Utrecht University

Program(s)

Utrecht University

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Geography

UCEAP Course Number

105

UCEAP Course Suffix**UCEAP Official Title**

HANDS ON GIS

UCEAP Transcript Title

HANDS ON GIS

UCEAP Quarter Units

6.00

UCEAP Semester Units

4.00

Course Description

In this “hands on” course the emphasis lays on working with GIS and existing spatial datasets (national and global) together with a theoretical embedding. The software used is ESRI Arc GIS desktop, PCRaster, ERDAS/IMAGINE, and Arc PAD. The course includes the following: an introduction to GIS theory, including data (types, projections), analyses (vector/raster), mapping; general software training using parts of the ESRI virtual campus courses and more specific instructions on software and data; mapping exercises with existing data; mobile GIS, outside GIS using mobile devices with GPS and ESRI Arc PAD software; guest lectures (provincial government, commercial companies); and a site visit to the map room Utrecht University library. Prerequisite knowledge for this course includes basic computer skills.

Language(s) of Instruction

English

Host Institution Course Number

GEO3-4308

Host Institution Course Title

HANDS ON GIS

Host Institution Campus

Utrecht University

Host Institution Faculty

Geosciences

Host Institution Degree

Host Institution Department

Human Geography and Planning

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