

COURSE DETAIL

GEOGRAPHIC INFORMATION SYSTEMS LABORATORY

Country

Mexico

Host Institution

National Autonomous University of Mexico

Program(s)

National Autonomous University of Mexico

UCEAP Course Level

Upper Division

UCEAP Subject Area(s)

Geography

UCEAP Course Number

108

UCEAP Course Suffix**UCEAP Official Title**

GEOGRAPHIC INFORMATION SYSTEMS LABORATORY

UCEAP Transcript Title

GEOG INF SYSTMS LAB

UCEAP Quarter Units

5.00

UCEAP Semester Units

3.30

Course Description

This class is an introductory course to Geographic Information Systems (GIS), which constitute one of the most powerful modern technologies for the study of territorial, socioeconomic and environmental processes and problems from a spatial point of view. GIS allow geographic and cartographic work to be carried out in an efficient way, from the data entry, its management and analysis, until the generation of results, allowing the user (planner, businessman, researcher, teacher and student) to spend a substantial part of the time in analysis, synthesis and management of the projects, overcoming limitations traditional methods of manual information processing. In practice, geographic information systems are much more than a technological tool, since they are made up of components such as hardware, software, users, information, methods and techniques, which enable the comprehensive management of projects, regardless of the territorial and organizational level. This course provides the student with the methodological foundations and techniques for the management and analysis of spatially referenced information, emphasizing practical work, using hardware resources, software and procedures of geographic information systems.

Language(s) of Instruction

Spanish

Host Institution Course Number

4513

Host Institution Course Title

LABORATORIO DE SISTEMAS DE INFORMACION GEOGRAFICA

Host Institution Course Details

<https://servicios-galileo.filos.unam.mx/uploads/temarios/20251135545130001/ALAN...>

Host Institution Campus

NATIONAL AUTONOMOUS UNIVERSITY OF MEXICO

Host Institution Faculty

FACULTAD DE FILOSOFIA Y LETRAS

Host Institution Degree**Host Institution Department**

GEOGRAFIA

Course Last Reviewed

2024-2025

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