

## 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

GEOGRAPHIC INFORMATION SYSTEMS LABORATORY

### Host Institution Campus

NATIONAL AUTONOMOUS UNIVERSITY OF MEXICO

### Host Institution Faculty

FACULTAD DE FILOSOFIA Y LETRAS

### Host Institution Degree

**Host Institution Department**

GEOGRAFIA

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