Syllabus

INTRODUCTION TO GIS - 71342

Last update 22-02-2014

HU Credits: 3.5

Degree/Cycle: 1st degree (Bachelor)

Responsible Department: Plant Sciences in Agriculture

Academic year: 2

Semester: 1st Semester

Teaching Languages: hebrew

Campus: Rehovot

Course/Module Coordinator: Yafit Cohen

Coordinator Email: yafitush@volcani.agri.go.il

Coordinator Office Hours: by appointment

Teaching Staff:
  Yafit Cohen
  Iris Schoenbaum
Course/Module description:

Course/Module aims:
Learning basic concepts of GIS and familiarity with applications
Variety of GIS primarily in agriculture and the environment.

Learning outcomes - On successful completion of this module, students should be able to:
* GIS project design skills in the areas of agriculture and the environment.
* knowledge and experience using and analyzing GIS information
* ArcGIS 10 software experience
  (ArcView).
* Applications of GIS for various local and international
* Analysis of inter-layered and intra-layered issues of GIS data and understanding the implications on agriculture

Attendance requirements(%):
mandatory during exercises

Teaching arrangement and method of instruction: lectures and exercises

Course/Module Content:
Basic Concepts in Geography
Topography and Cartography
Geographical Information Systems (GIS)
geographical information systems applications in the country and abroad in the fields of environment and agriculture
display Models of spatial data
Topology: GIS data sources, GIS Data Acquisition, layer and interlayer Analysis
Skills in designing GIS project on the environment and agriculture

Required Reading:
-

Additional Reading Material:
דולבוחבריו,111.を目指יותнятטכיותיעול/close_FULL.12עותשתלאcimiento
הספרה,12עותמית.


Course/Module evaluation:
End of year written/oral examination 65 %
Presentation 0 %
Participation in Tutorials 0 %
Project work 0 %
Assignments 35 %
Reports 0 %
Research project 0 %
Quizzes 0 %
Other 0 %

Additional information: