



Syllabus

INTRODUCTION TO GIS - 40942

Last update 04-07-2016

HU Credits: 3

Responsible Department: geography

Academic year: 0

Semester: 1st Semester

Teaching Languages: Hebrew

Campus: Mt. Scopus

Course/Module Coordinator: Adi Ben-Nun

Coordinator Email: bennun@cc.huji.ac.il

Coordinator Office Hours: 08:00-10:00

Teaching Staff:

Mr. Adi Ben-Nun

Ms.

Mr. keren guy

Ms. Adi Halpern

Mr. Stas Drapkin

Course/Module description:

This course is designed for students with little or no experience using Geographic Information Systems (GIS).

Participants will receive instruction on the use of GIS software and an introduction to commonly used and readily available data sources.

At the end of the course participants will have created several thematic map(s) illustrating the results of spatial analyses of data related to different applications.

Course/Module aims:

Theoretical background for construction field.

Practical experience working with GIS software

Learning outcomes - On successful completion of this module, students should be able to:

Apply the theoretical background learned by using GIS software

Attendance requirements(%):

80%

Teaching arrangement and method of instruction: lecture + ex

Course/Module Content:

*Display of spatial information:
Characteristics, features and prone to error
Understanding ArcCatalog
Create a Map
Layers
Vector representation and Raster
Sources of Information
Applications Bases
Select spatial and tabular
Actions Table, Statistics
Buffer zones
overlay layers
Data link by location
Image editing and anchoring
Simulation and calculation in D3*

Required Reading:

non

Additional Reading Material:

non

Course/Module evaluation:

End of year written/oral examination 40 %

Presentation 0 %

Participation in Tutorials 0 %

Project work 0 %

Assignments 40 %

Reports 0 %

Research project 0 %

Quizzes 20 %

Other 0 %

Additional information:

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