

The Hebrew University of Jerusalem

Syllabus

Auto Cad Map - 49801

Last update 26-07-2021

HU Credits: 2

Degree/Cycle: 2nd degree (Master)

Responsible Department: Urban & Regional Studies - Specialization

Academic year: 0

Semester: 2nd Semester

Teaching Languages: Hebrew

Campus: Mt. Scopus

Course/Module Coordinator: Ms. Liat Abouhatsira

Coordinator Email: liato@team.co.il

Coordinator Office Hours:

Teaching Staff:

Ms. Liat Ochayon

Course/Module description:

Autodesk® AutoCAD® Map 3D mapping software is a model-based infrastructure planning and management application that provides broad access to CAD and GIS data. It Obtains data from a broad range of sources.

Enables you to use enhanced stylization, labeling, and annotation tools to help make it easier to convey important project details.

Course/Module aims:

- Knowledge of basic capabilities of the AutoCAD software.
- Providing tools for working with the GIS capabilities in AutoCAD Map 3D.

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

- Use basic editing tools of AutoCAD.
- Create and link DATA BASE to entities.
- Create queries to an existing plan or linked plans.
- Define Coordinate system and convert between systems.
- Import and export to other formats (such as SHAPE FILE).
- Create thematic maps by spatial analysis.

Attendance requirements(%):

80

Teaching arrangement and method of instruction: Lectures combined with technical demo

Course/Module Content:

- Introducing the basic concepts of Autocad, interfaces, toolbars, workspaces, differences between the CAD to MAP.
- Introducing the basic editing tools of AutoCAD.
- Layers in AutoCAD.
- Creating Blocks.
- OBJECT DATA- table of the data base.
- GENERATE LINKS- automatic connection to the data base.
- ANNOTATION- Creating tags based on existing information.

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- ATTACH DRAWING- queries of linked plans.
 - Coordinate systems.
 - Importing and Exporting other formats (SHP,SQLITE etc).
 - Connecting to other formats- edit, style and queries.

Required Reading:

Exercises workbook of the course

Additional Reading Material:

none

Course/Module evaluation:

End of year written/oral examination 0 %

Presentation 0 %

Participation in Tutorials 0 %

Project work 30 %

Assignments 70 %

Reports 0 %

Research project 0 %

Quizzes 0 %

Other 0 %

Additional information:

none