

## *The Hebrew University of Jerusalem*

### *Syllabus*

## *Quality Of Life In The Smart City - 40995*

*Last update 27-09-2023*

*HU Credits:* 2

*Degree/Cycle:* 2nd degree (Master)

*Responsible Department:* Geography

*Academic year:* 0

*Semester:* 2nd Semester

*Teaching Languages:* English

*Campus:* Mt. Scopus

*Course/Module Coordinator:* Amit Birenboim

*Coordinator Email:* [amit.birenboim@mail.huji.ac.il](mailto:amit.birenboim@mail.huji.ac.il)

*Coordinator Office Hours:* Wed, 13:30-14:30

*Teaching Staff:*

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Dr. Amit Birenboim

Course/Module description:

Quality of life, health and wellbeing have become a central concern for local policy makers in recent decades. In this course, we will address these issues from both theoretical and empirical perspectives while focusing on the ways by which technology and data can promote the quality of life of urban inhabitants. Each topic will be covered from a theoretical perspective and will be exemplified using case study examples. The course will also include three GIS exercise that will demonstrate how data can be used to gain useful insights in the field.

Course/Module aims:

Introducing core topics in the field of quality of life, wellbeing and health in light of emerging urban technologies.

Practicing GIS tools and procedures that are relevant for studying wellbeing and health in cities.

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

Upon completion of this course, students will have achieved the following:

- Gained familiarity with the core topics that researchers explore in relation to quality of life in urban areas.
- Acquired knowledge of innovative strategies aimed at enhancing quality of life in cities.
- Developed the ability to apply geospatial tools to study quality of life in urban areas.

Attendance requirements(%):

80

Teaching arrangement and method of instruction:

Course/Module Content:

- Introduction
- Basics concepts of quality of life and wellbeing
- Basic concepts of health
- Health and wellbeing in the city

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- Lifestyle and healthy urban living
  - Inequalities and the social environment
  - The natural environment in cities
  - Age friendly cities
  - Climate change in th city
  - The city as a laboratory: Urban living labs

Required Reading:

Will be available at the detailed course syllabus that will be uploaded to the course's website.

Additional Reading Material:

Grading Scheme:

Essay / Project / Final Assignment / Home Exam / Referat 80 %  
Submission assignments during the semester: Exercises / Essays / Audits / Reports / Forum / Simulation / others 20 %

Additional information: