

Sustainable Urban Development

Code: MK5TEL8S03TX22-EN

ECTS Credit Points: 3

Evaluation: exam

Year, Semester: 1nd year, 1st semester

Its prerequisite(s): -

Further courses are built on it: No

Number of teaching hours/week (lecture + practice): 2 + 0

Topics:

The course focuses on exploring urban problems that jeopardize cities to work properly, to be operated efficiently, and to be sustainable. Different dimensions of sustainability are investigated including, spatial expansion, transportation, green infrastructure, and the built environment. The course explores social, economic, and institutional factors influencing sustainability. Case studies are deeply examined.

Literature:

Compulsory:

1. Stephen M. Wheeler, Timothy Beatley, 2014. Sustainable Urban Development Reader. Routledge, Abingdon
2. Luís Bragança, Cristina Engel de Alvarez and Luisa F Cabeza. Sustainable Urban Development. IOP Publishing, London

Recommended:

1. Gehl, J., 2010: Cities for People. Island Press, 978-1597265737

Schedule

1 st week Registration week	
2 nd week: Lecture: The concept of sustainable urban development. The United Nations' sustainable development goals for urban areas.	3 rd week: Lecture: Applying the sustainability concept in the organization of urban space. Mixed urban land use for sustainability.
4 th week: Lecture: Sustainable urban mobility. The role of active transportation modes.	5 th week: Lecture: Green urban infrastructure and sustainable cities. The role of open spaces.
6 th week: Lecture: Sustainable housing in Europe with Hungary in the focus.	7 th week: Lecture: The effects of tourism on the sustainability of cities. Overtourism and sustainability.
8 th week: 1 st drawing week	

9th week:

Lecture: Climate change and urban problems. The implementation of innovative solutions for mitigating the impact of climate change.

11th week:

Lecture: Case studies: sustainable cities in Europe

13th week:

Lecture: Case studies: sustainable cities in Latin America

15th week: 2nd drawing week

10th week:

Lecture: Pandemics and sustainability: the effect of COVID-19 on urban life and city operations.

12th week:

Lecture: Case studies: sustainable cities in Northern America

14th week:

Lecture: Case studies: sustainable cities in Asia with China and Japan in the focus

Requirements

A, for a signature:

Attendance at lectures is recommended, but not compulsory.

B, for grade:

An oral exam must be taken in order to obtain a grade.