

## Urban Morphology

Code: MK5TEL1S02TX17-EN

ECTS Credit Points: 2

Evaluation: exam

Year, Semester: 1<sup>st</sup>, year 1<sup>st</sup> semester

Prerequisite(s): -

Further courses are built on it: No

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

### Topics:

Introduction to urban morphology (UM): different morphological approaches, morphological schools and the aspects of urban forms. Paths of understanding the town from the urban form (Conzen) to the mental perceiving of the city (Lynch) through the flows (space syntax) with the importance of the history (Caniggia). Typo-Morphology. UM as a generative process: everything is a product of a sociocultural process and the type is a bigger notion than the configuration. Hierarchy and the related disciplines of the UM (history, economics, policies, architecture, geography, transport, planning, aesthetics, sociology, health, philosophy). Urban tissue. Character areas. Morphogenesis (time - form), poly-morphogenesis and the evolution of forms. Different analyses and urban design measures, from the traditional (UM, Typo-Morphology) to the new methods (Spacemate, Morpho) together with pilot methodologies (Morphometrics).

Lectures: interactive + frontal lecture + various tasks at the lectures

Aim (basis of evaluation): at the end of the course students will be able to outline the different urban forms and types, urban tissues and make UM analyses and conclude the character of the fabric independently.

### Literature:

#### *Compulsory:*

1. Oliveira, V., 2016. Urban Morphology - An Introduction to the Study of the Physical Form of Cities. Springer. ISBN: 978-3-319-32083-0
2. Kropf, K., 2017. The Handbook of Urban Morphology. Wiley. ISBN: 9781118747698 *Recommended:*
  1. Alexander, C., 1978. A Pattern Language: Towns, Buildings, Construction. Center for Environmental Structure, Berkeley.
  2. Caniggia, G. - Maffei, G.L., 2001. Architectural composition and building typology: interpreting basic building. Alinea Editrice.
  3. Conzen, M.R.G., Conzen, M.P. ed., 2004. Thinking About Urban Form. Papers On Urban Morphology 1932-1998. Peter Lang.
  4. Hillier, B. and Hanson, J., 1984. The social logic of space. Cambridge University Press.

### Schedule

1<sup>st</sup> week Registration week

2<sup>nd</sup> week:

Lecture: Urban Morphology. Introduction – phenomena.

4<sup>th</sup> week:

Lecture: Field trip (joint: Urban Design, Urban Renewal Processes)

3<sup>rd</sup> week:

Lecture: Urban Morphology Schools - Approaches.

5<sup>th</sup> week:

Lecture: Historico-Geographical Approach. Process Typological Approach. Space Syntax. Spatial Analysis.

11<sup>th</sup> week:

Lecture: Case studies – worldwide (presentations by the students – discussion).

13<sup>th</sup> week:

Lecture: From Theory to Practice. Urban Morphology and Planning.

15<sup>th</sup> week: 2<sup>nd</sup> drawing week

6<sup>th</sup> week:

Lecture: Case Studies. Comparative Studies of Urban Form.

8<sup>th</sup> week: 1<sup>st</sup> drawing week

9<sup>th</sup> week:

Lecture: Spacemate. Morpho. Morphometrics.

Lecture: Practice – Understanding the Urban Form (case studies from the Urban Design Studio).

12<sup>th</sup> week:

Lecture: Relationships with Other Fields of Knowledge.

14<sup>th</sup> week:

Lecture: Systematization and discussion. Valorisation and evaluation.

## Requirements

A, for a signature:

Participation in lectures is compulsory. Students must attend lectures and may not miss more than three lectures during the semester (11+3). In case of further absences, a medical certification or another official certificate from other authorities must be presented. The attendance is recorded by the lecturer. Being late is equivalent to an absence. In case of unofficially justified absence over the 3 allowed, the subject will not be signed (completed) and the student must repeat the course.

B, for grade:

The final evaluation takes into consideration the performance at the lectures and the grade at the oral exam.