

## **Vorlesungsverzeichnis**

Integrated Urban Development and Design (PO  
2018)

Sommer 2023

Stand 23.03.2023

**Integrated Urban Development and Design (PO 2018)**

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## Integrated Urban Development and Design (PO 2018)

Seit Wintersemester 2018/19 besteht an der Bauhaus-Universität Weimar ein zusätzliches Angebot an fächerübergreifenden Lehrveranstaltungen im Rahmen der Bauhaus.Module. Ob diese Module des **Wahlbereichs** ersetzen können **und in den Studienverlauf passen**, muss individuell mit der Fachstudienberatung geklärt werden. Das Angebot der Bauhaus.Module findet sich unter [www.uni-weimar.de/bauhausmodule](http://www.uni-weimar.de/bauhausmodule).

### 119122403 Parametric Urban Design and Analysis II

**E. Fuchkina, S. Schneider, I. Osintseva**

Veranst. SWS: 2

Seminar

Di, wöch., 13:30 - 15:00, Belvederer Allee 1a - Allg. Medienpool 003, 04.04.2023 - 04.07.2023

#### Beschreibung

Cities are complex human made objects. They consist of thousands of elements and need to satisfy numerous human needs. The definition of urban form (street network, plots, building volumes) is a crucial step in the planning of cities because it has the longest lasting effect on their social, economic and ecological performance. Thus, this step needs to be undertaken with greatest care. In this course we will deal with computational methods to support this process.

The course extends the knowledge and methods you learned in PUDA I. You will learn and train advanced parametric modeling techniques and further analysis methods as well as basic knowledge about statistics to study relationships between urban form and its manifold functions.

You apply the learned skills in an urban planning project for new towns in Ethiopia (IUDD Study Project "Circular Urbanism"). It is expected that the participants have absolved the course "Parametric Urban Design and Analysis" from the previous semester.

#### Voraussetzungen

Studiengänge: Master Integrated Urban Development and Design (IUDD)

### 119123701 Introduction to Masters´ Thesis

**M. Bielik, P. Schmidt, S. Schneider**

Veranst. SWS: 2

Seminar

Mo, wöch., 10.04.2023 - 03.07.2023

#### Beschreibung

The preparatory seminar is a combination of various aspects that support students to prepare and organise their master's thesis. It aims to the individual thematic development of the thesis topic. Derived from the subject areas of IUDD the thesis refers to the inductive development of interdisciplinarity. Students are guided through the logic of research, the definition of individual research interest and the more objective need to communicate specific knowledge related to a certain subject of interest. At the end of the seminar, a thesis proposal should be developed based on an adequate research framework and research design, considering methodological aspects and quality of research. This seminar is arranged as intensive workshop with lectures, discussions, exercises and group work.

### 122122401 Integrated Urbanism - Adaptive Planning Strategies for Rural-Urban Transformation in Ethiopia.

**S. Schneider, R. König, P. Schmidt, M. Bielik**

Veranst. SWS: 10

Projektmodul

Do, wöch., 09:15 - 18:30, 06.04.2023 - 06.07.2023

**Beschreibung**

The transformation from a mainly agricultural society to industrialisation that is faced these days in Ethiopia is linked to substantial changes of the country's rural and urban areas. With these shifts, the processes of urbanisation and expectations towards modernisation is seen as a chance to create new and adaptive urban planning proposals that meet specific needs and conditions of the Ethiopian development context in Sub-Saharan Africa. While the World Bank is promoting rapid economic growth for Ethiopia, still the country is one of the poorest countries in the world, and the question arises in how far urban design and planning can create concepts and flexible urban models that are reactive enough to stimulate different scenarios responding for balanced development.

One of the main frameworks to create such a balance for emerging cities are the United Nations Sustainable Development Goals (SDG). Different key factors like food security, energy, water and sanitation are linked to resource questions of material and land and how those can be influential on the development of prospective cities. Thus, for the development of new towns in rapidly urbanizing regions the understanding of material flows and circulation within the urban system is crucial when it comes about any building activity that determines the urban form and what we finally experience as urban, including open and public space and healthy living conditions.

To better understand how such flows of material resources and energy are linked to building activities in rural urbanisation processes and their impact on the existing environment, in our study project, we are referring to urban metabolism as a framework for urban design and planning of small cities.

Participants will be analysing urban patterns and flows of small cities, learn about the context between urban metabolism and its spatial implications and apply tools and methods for a spatial analysis and finally implement that knowledge in spatial models and concepts to simulate possible development scenarios.

**Voraussetzungen**

Studiengänge: Master Integrated Urban Development and Design (IUDD)

## Master-Colloquium

**P. Schmidt**

Kolloquium  
wöch.

**Beschreibung**

The course is the platform for presentation and discussion of the Masters theses. The candidates will present the intermediate results of their work on their individual topics. Suggestions for further action will be made by fellow students and academics attending the colloquium. Admission for the Master examination is required for participation. Performance record (attestation) will be achieved by giving an oral presentation.

**engl. Beschreibung**

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**Bemerkung**

Time:Block course, see notice-board

Location:Belvederer Allee 5

Start: See notice-board

Registration: Not necessary, all students accepted for the Master examination have to participate

**Voraussetzungen**

Admission for the Master examination is required for participation.

**Leistungsnachweis**

Performance record (attestation) will be achieved by giving an oral presentation.

**Modellprojekteforum IUDD****P. Schmidt**

Veranst. SWS: 2

## Seminar

Mi, Einzel, 13:30 - 22:00, Geschwister-Scholl-Str.8A - Oberlichtsaal 213, 19.04.2023 - 19.04.2023  
Mi, Einzel, 13:30 - 22:00, Geschwister-Scholl-Str.8A - Besprechungsraum 102, 19.04.2023 - 19.04.2023  
Mi, Einzel, 13:30 - 22:00, Geschwister-Scholl-Str.8A - Seminarraum 105, 19.04.2023 - 19.04.2023  
Do, Einzel, 08:00 - 22:00, Geschwister-Scholl-Str.8A - Oberlichtsaal 213, 20.04.2023 - 20.04.2023  
Do, Einzel, 08:00 - 22:00, Geschwister-Scholl-Str.8A - Besprechungsraum 102, 20.04.2023 - 20.04.2023  
Do, Einzel, 08:00 - 22:00, Geschwister-Scholl-Str.8A - Seminarraum 105, 20.04.2023 - 20.04.2023  
BlockWE, 08:00 - 22:00, Geschwister-Scholl-Str.8A - Oberlichtsaal 213, 21.04.2023 - 22.04.2023  
BlockWE, 08:00 - 22:00, Geschwister-Scholl-Str.8A - Besprechungsraum 102, 21.04.2023 - 22.04.2023  
BlockWE, 08:00 - 22:00, Geschwister-Scholl-Str.8A - Seminarraum 105, 21.04.2023 - 22.04.2023  
So, Einzel, 08:00 - 14:00, Geschwister-Scholl-Str.8A - Oberlichtsaal 213, 23.04.2023 - 23.04.2023