

Vorlesungsverzeichnis

Integrated Urban Development and Design (PO
2018)

Sommer 2019

Stand 12.11.2019

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Integrated Urban Development and Design (PO 2018)**119120202 Space + Costs****B. Nentwig**

Veranst. SWS: 4

Seminar
wöch.**Beschreibung**

Aufbauend auf dem Projekt W5 (Wissen Wer Wie Wohnen Will) sollen interkulturelle Unterschiede verschiedener Zielgruppen auf Entwurfsparameter bezogen werden.

Die Definition sogenannter „Kreativmilieus“ wird in den Kontext der tatsächlichen Lebenswelten mit dem entsprechenden geografischen und kulturellen Bezug gebracht. Die zu erwartenden Ergebnisse sollen dann an den konkreten Entwürfen

geprüft werden.

Inhaltlich baut das Seminar insbesondere auf der Methodik der Sinus-Milieus auf.

Sinus-Milieus arbeiten auf der Grundlage umfassender empirischer Sozialforschung und sind insbesondere in der Konsumgüterindustrie und Parteienforschung anzutreffen.

Die Leistungen des Seminars umfassen die Entwicklung von entwurfsrelevanten Parametern und einer konkreten Zielgruppenstudie durch Profile.

Bemerkung

Findet nach Absprache mit Prof. Rudolf vorauss. Donnerstags statt.

Voraussetzungen

Teilnahme am Projekt " COLLABORATIVE.BAUHAUS - GLOBAL. ..." Prof. Rudolf

119122401 Circular Urbanism: Metabolism-based Planning Strategies for Rural-Urban Transformation in Ethiopia**S. Schneider, R. König, P. Schmidt**

Veranst. SWS: 10

Projektmodul

Do, wöch., 09:15 - 18:30, Belvederer Allee 1a - Allg. Medienpool 003, 04.04.2019 - 04.07.2019

Do, wöch., 09:15 - 18:30, Bauhausstraße 9c - Arbeitsraum 001, 18.04.2019 - 04.07.2019

Di, Einzel, 09:15 - 16:45, Bauhausstraße 9c - Arbeitsraum 001, Abschlusspräsentation, 09.07.2019 - 09.07.2019

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.

Bemerkung

Do, 09:15 - 18:30 Uhr

Ort: Computerpool EG, Belvederer Allee 1a

Beginn: 04.04.2019

Umfang: 15 ECTS

Voraussetzungen

Studiengänge: Master Integrated Urban Development and Design (IUDD)

119122402 Computational Urban Analysis and Simulation

R. König, S. Schneider

Seminar

Veranst. SWS:

2

119122403 Parametric Urban Design and Analysis II

A. Abdulmawla, E. Fuchkina, S. Schneider

Seminar

Veranst. SWS:

2

Di, wöch., 13:30 - 16:45, Belvederer Allee 1a - Allg. Medienpool 003, 02.04.2019 - 02.07.2019

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 "Metabolism-based Planning Strategies for Rural-Urban Transformation in Ethiopia"). It is expected that the participants have absolved the course "Parametric Urban Design and Analysis" from the previous semester.

Bemerkung

Di, 13:30 - 17:00 Uhr

Ort: Computerpool EG, Belvederer Allee 1a

Beginn: 02.04.2019

Umfang: 3 ECTS

Voraussetzungen

Studiengänge: Master Integrated Urban Development and Design (IUDD)

119122806 Struggle for Space, Struggle for Identity: Reading James Baldwin in an anti-colonial context

B. Zamzow

Veranst. SWS: 2

Seminar

Di, wöch., 18:00 - 21:00, Belvederer Allee 5 - Seminarraum 008, 28.05.2019 - 04.06.2019

Di, wöch., 18:00 - 21:00, Belvederer Allee 5 - Seminarraum 008, 18.06.2019 - 25.06.2019

Beschreibung

This is a reading and writing seminar on the racial and social inequality of African Americans in the U.S. and the ensued Civil Rights movement in the 1960's. James Baldwin was a writer who strongly influenced anti-colonial movements especially by black populations world-wide. Movies based on his essays and novels such as "I am not you Negro" and "If Beale Street Could Talk" draw connections to today's Black Lives Matter movement. It shows that his writing is just as controversial and politically charged as 60 years ago.

We will read post-colonial academic material and then use James Baldwin's writings in order to gain access to a subaltern perspective on power hierarchies. Each meeting will entail a discussion and free writing session. Conceptualized as a follow-up to the seminar 'Revisiting Utopia' from the winter semester, all students who are interested in post-colonial studies and in creative writing processes leading to academic writing are welcome to join.

Leistungsnachweis

Essay

119123701 Introduction to Masters' Thesis

P. Schmidt, S. Schneider

Veranst. SWS: 2

Seminar

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.

119123801 Advanced Computational Design Methods

R. König

Veranst. SWS: 2

Seminar

Mi, wöch., 09:15 - 10:45, Belvederer Allee 1a - Allg. Medienpool 003, 03.04.2019 - 03.07.2019

Beschreibung

Voraussetzung für die Belegung dieses Kurses ist die Teilnahme an einem Kurs der Professur Computational Architecture in einem der letzten Semester, oder gute Programmierkenntnisse. In diesem Seminar werden vor allem die Programmier-Fähigkeiten und deren kreative Anwendung vertieft.

Inhaltlich befassen wir uns mit der Kombination verschiedener räumlicher Analysemethoden mit innovativen generativen Methoden und evolutionären Algorithmen zur Optimierung bestimmter Aspekte urbaner Planungen, städtebaulicher oder architektonischer Entwürfe. Die im Rahmen von Online-Seminaren vermittelten Kenntnisse werden in Konsultationen vertieft. Neben regelmäßigen Übungsaufgaben besteht die Semesterleistung in der Implementierung einer selbst definierten Aufgabe, welche die im Rahmen des Seminars erlernten Fähigkeiten anhand eines praktischen Beispiels anwendet.

Bemerkung

Mi, 09:15 - 11:00 Uhr

Ort: Computerpool EG, Belvederer Allee 1a

Beginn: 03.04.2019

Umfang: 3 ECTS

Voraussetzungen

Studiengänge: Master Media Architecture, Master Architektur, Master Integrated Urban Development and Design (IUDD), Master Advanced Urbanism, Master Europäische Urbanistik

119123802 Urban Modeling and Simulation - Advanced Methods**R. König**

Veranst. SWS: 2

Seminar

Mi, wöch., 11:00 - 12:30, Belvederer Allee 1a - Allg. Medienpool 003, 03.04.2019 - 03.07.2019

Beschreibung

Im Rahmen des Seminars werden die Teilnehmer in weiterführende Techniken zur urbanen Modellierung und Simulation, basierend auf System Dynamics Methoden eingeführt. Wir werden uns mit der Modellierung komplexer räumlicher Systeme auf regionaler und urbaner Ebene befassen. Es werden Analyse zur Nutzung urbaner Strukturen eingeführt (z.B. Fußgängerströme oder ökonomische Potentiale) sowie Modelle für Interaktionen von Flächennutzungen vorgestellt. Mittels System Dynamics Modellen können zeitliche Veränderungen von Stocks and Flows simuliert werden.

Die im Rahmen von Online-Seminaren vermittelten Kenntnisse werden in Konsultationen vertieft und im Rahmen des Planungsprojekts für neue Städte in Äthiopien angewandt. Es wird erwartet, dass die Kursteilnehmer im letzten Semester den Kurs „Computational Urban Modeling and Simulation“ absolviert haben.

Bemerkung

Mi, 11:00 - 12:30 Uhr

Ort: Computerpool EG, Belvederer Allee 1a

Beginn: 03.04.2019

Umfang: 3 ECTS

Voraussetzungen

Studiengänge: Master Integrated Urban Development and Design (IUDD), Master Advanced Urbanism, Master Europäische Urbanistik, Master MediaArchitecture

1724308 Urban Australia: Resilience, Sustainability and Headways**B. Stratmann**

Veranst. SWS: 2

Seminar

Mo, wöch., 11:00 - 12:30, Belvederer Allee 5 - Seminarraum 007, 08.04.2019 - 01.07.2019

Beschreibung

The seminar will explore major aspects of urban development in Australia, also looking at the historical formation of Australian cities and the links between urban and societal development. Issues to be discussed will include: housing and housing styles; suburbanization and urban renewal; gentrification; segregation; multiculturalism, diversity and urbanity; the compact city model, urban form and sustainable development; transport and infrastructure; economic restructuring and globalisation; cities and regions; place marketing, hallmark events, cities in competition; urban resilience. The concepts employed in the course can be applied to the analysis of urban development in other Western countries, including Germany. In general, the seminar provides students of architecture and of urban studies with an understanding of urban issues as examined by urban sociologists. Being taught overseas the course will commence with an introduction to Australian society, including Aboriginal life and culture.

engl. Beschreibung

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Voraussetzungen

gute Englischkenntnisse - sound knowledge of English

Leistungsnachweis

student class presentation of a selected topic (usually in groups of 2 to 3 students), submission of the written version of the seminar paper also summarizing the discussion that follows the presentation of your topic, regular engagement in seminar discussions

Exkursion nach Äthiopien**O. Kammler**

Veranst. SWS: 2

Exkursion

Voraussetzungen

Achtung! Wird nur für folgenden Studiengang angeboten: Master Integrated Urban Development and Design (IUDD)

Master´s Colloquium**L. Vollmer**

Veranst. SWS: 2

Seminar

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.

Bemerkung

Please note: Registration for the Colloquium is not necessary. All students accepted for the Master examination have to participate.

Voraussetzungen

Admission for the Master examination is required for participation.

Advanced Urbanism**Reflective Urban Practice**