

## Course Catalogue for Winter Semester 2014/2015

as of 25.09.2014

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The following lectures (L), seminars (S) and exercises (E) are part of the compulsory offers, according to your Performance Control Sheet. Additional offers for the compulsory electives are listed from page 15 on.

## LECTURES

*Module: Urban Planning/Urban Design*

2 SWS/ 3 CP

Prof. Dr.-Ing. B. Schönig

### **L Lecture series "Housing for Everyone?! History, Presence and Future Perspectives on Social Housing in Germany, Europe and Beyond"**

target group: Master EU/ AdUrb, IPP-EU, Erasmus  
language: English  
time/ location: Tuesdays, 5.00 – 6.30 pm / Marienstraße 13c, Lecture Hall B  
start: 14.10.2014  
registration: Belvederer Allee 5, room 003, 13.10.2014 – 30.10.2014

#### Content

In spite of demographic decline in Germany in general, major German cities are growing. And, in consequence, are experiencing a shortage of housing and an increase of rents and real estate prices, especially in the more affordable segments of the housing market. Within the last year this has fostered a debate not only on housing policy as such but also on the need to build new public housing. But: there is little knowledge on how to finance, organize and actually design quality affordable housing under the conditions of urban austerity and increasing social polarization. Instead, affordable and public housing still is imaged as large housing estates with run down houses and low quality public space at the edge of the city, put together according to architects ideas and housing authorities' balances – leading in the end to socially deprived and isolated areas. However, form and function of affordable housing in Germany have changed dramatically since the "end of public housing" was proclaimed in the 1980ies and subsidized affordable housing became a niche of housing production.

Within the lecture series we will take a close look on institutional, urban and architectural forms as well as the societal function of public housing nowadays. We will discuss not only the history, but especially current models of public housing in Germany, Europe and beyond. Doing so, the lecture will take on an interdisciplinary perspective: We will discuss the development of public housing in the context of welfare state as well as urban transformation processes. But also we will look at institutional questions (policy instruments, operating, financing) as well as the urban and architectural design of public housing.

*Module Urban Sociology*

2 SWS/ 3 CP

Prof. Dr. F. Eckardt

### **L Urban Sociology**

target group: Master EU/AdUrb, IPP-EU, Erasmus  
language: English  
time/ location: Mondays, 5.00 – 6.30 pm / Marienstraße 13c, Lecture Hall C  
start: 20.10.2014  
registration: 1<sup>st</sup> lecture

#### Content

Life in German cities has undergone substantial changes in the last decade. Not only the East German cities had to address new challenges after the reunification of the German nation in 1990, but also the West German cities had to reformulate their place in the complex urban networks. Cities are mirroring wider changes in German society where new social and political developments can be observed. Economic and cultural globalization has had a major impact on many aspects of urban life. This lecture will give an overview about major developments in German cities since the German reunification in 1990. It will provide both a sound source of information on the most important issues of German society and reflect important discussion of the international debate on urban studies. After delivering a historical overview of German cities, basic concepts of urban sociology will be developed by discussing subjects like gentrification, segregation, migration, life style diversity and others. The lecture provides an insight view into classical theories of urban sociology as deriving from Max Weber, Georg Simmel and the Chicago School.

*Module: Project Development*

2 SWS/ 3 CP

Prof. Dr. B. Nentwig

### **L Basics and Methods of Real Estate Development**

target group: Master EU/AdUrb, IPP-EU, Erasmus  
language: English  
time/ location: Wednesdays, 9.15 – 10.45 am / Marienstraße 13c, Lecture Hall D

start: 15.10.2014  
registration: 1<sup>st</sup> lecture

#### Content

This lecture focusses main topics of real estate and urban development, analysis trends of the real estate market, economic calculation in phases of the development. Additional to this course the participants have to take part in the seminar „Real Estate Development“

### SEMINARS

*Module: Urban Planning/Urban Design*

**2 SWS/ 3 CP**

Prof. Dr.-Ing. B. Schönig, Dipl.-Geogr. S. Schindlauer

#### **S Social Housing and the Welfare State: Concepts and Reality in Comparative Perspectives"**

target group: Master EU/ AdUrb, IPP-EU, Erasmus  
language: English  
time/ location: Blocks on Mondays  
20.10.14 - 01.30 pm – 03.00 pm  
27.10.14 - 11.00 am – 12.30 pm  
10.11.14 - 01.30 pm – 04.45 pm  
24.11.14 - 01.30 pm – 04.45 pm  
08.12.14 - 01.30 pm – 04.45 pm  
IfEU, Room 005 (Excursion 31.10. – 01.11)

start: 20.10.2014

registration: Belvederer Allee 5, Room 003, 13.10.2014 – 30.10.2014

#### Content

In spite of demographic decline in Germany in general, major German cities are growing. And, in consequence, are experiencing a shortage of housing and an increase of rents and real estate prices, especially in the more affordable segments of the housing market. Within the last year this has fostered a debate not only on housing policy as such but also on the need to build new public housing. But: there is little knowledge on how to finance, organize and actually design quality affordable housing under the conditions of urban austerity and increasing social polarization. Instead, affordable and public housing still is imaged as large housing estates with run down houses and low quality public space at the edge of the city, put together according to architects ideas and housing authorities' bilances – leading in the end to socially deprived and isolated areas. However, form and function of affordable housing in Germany have changed dramatically since the "end of public housing" was proclaimed in the 1980ies and subsidized affordable housing became a niche of housing production.

Starting point of the seminar is the question whether and in what way a specific new model of social housing has evolved in different national contexts through the neoliberal transformation of welfare states (at the national level) and urban policies (at the local level). To answer this question, the seminar will take in international perspectives. Building on the input of the lecture series "Housing for Everyone" and against the background of the German and European case studies presented in the lecture series, the seminar will discuss international examples of public housing. Students will prepare research reports on international case studies using their own national background as a starting point for discussion. The synthesis of the seminar's discussion on international case studies of public housing will be presented in the final session of the lecture series.

Part of the seminar is an excursion to historic and present developments of public housing in Berlin that can be seen as a laboratory of public and affordable housing (October 30th to November 1st).

*Modules: Urban Planning/Urban Design*

**2 SWS/ 3 CP**

Vertr.-Prof. de Rudder, Dipl.-Ing. S. Mandic,

Dipl.-Geogr. S. Frank

#### **S Pedestrians' Perspectives on the City – Politics and Poetry of Walking**

target group: Master EU, Master AdUrb, Master Architecture, IPP-EU, Erasmus  
language: English  
time/ location: Tuesdays, 01.30 pm, Belvederer Allee 5, Room 007  
start: 21.10.2014  
registration: Belvederer Allee 5, Room 003, 13.10.2014 – 30.10.2014

#### Content

This seminar aims to explore the complex and vibrant relation between the pedestrian and the city. We will look at walking as medium of urban perception as well as a mode of mobility. Starting with Charles Baudelaire, Walter Benjamin and the literary

type of *flaneur* we will move to sixties' psycho geography, the concept of *dérive* and then switch over to self experience in a chosen urban environment, whether in Weimar or any other city.

In a second phase we look at the current situation of walking, check alleyways and hidden paths through the city, analyze distribution of space in streets and places and research walking as a sustainable mode of mobility in a car centered city.

Finally we search for new mobility projects that feature walking as an element of multi-modal mobility and a way to reclaim urban space.

Thanks to funds provided by *Professional.Bauhaus* we will be able to invite specialized scholars from the Universities of Munich and Grenoble for guest lectures.

Furthermore the seminar will be a test case for new forms of digital learning, introducing the new E-learning platform *moodle*.

*Module: Urban Planning/Urban Design*

**2 SWS/ 3 CP**

Gastprof. Jesus J. Lara

### **S Sustainable Urbanism: Challenges and Opportunities of Urbanization**

target group: Master EU, Master AdUrb, IPP-EU, Erasmus  
language: English  
time/ location: Tuesdays, 01.30 – 03.00 pm, Belvederer Allee 5, Room 005  
start: 14.10.2014  
registration: Belvederer Allee 5, Room 003, 13.10.2014 – 30.10.2014

#### Content

This seminar examines how the concept of Sustainable Urbanism applies to communities, cities and neighborhoods and gives students' insight into a variety of contemporary urban design, and planning issues and practices through the sustainability lens. The seminar combines lectures, readings and student research projects.

While cities and urban areas offer tremendous opportunities for social contact and interaction, employment, and well-being, they are also the source of many of our current environmental problems. In search of more sustainable solutions to urban growth, social and political fragmentation, and its impact in the environment, the Sustainable Urbanism seminar examines case studies of proactive approaches of urban sustainability in the United States and beyond its borders. We will be approaching this from the policy and planning angles the seminar will focus on considerations of design in the urban context.

*Module: Urban Urban Sociology*

**2 SWS/ 3 CP**

Prof. F. Eckardt, Nele Brönnner

### **S Aesthetics of discomfort – Two days of leaving our comfort zone**

target group: Master EU/AdUrb, IPP-EU, Master Media Architecture  
language: English  
time/ location: 15.11. and 16.11. the complete day, Belvederer Allee 5, Room 005  
start: will be announced  
registration: via email: nelebroenner@gmail.com

#### Content

The design of the train was also the design of the train wreck.

Discomfort challenges the certainty of our everyday lives; unease may release defiance. So, our world is designed to provide comfort and convenience. What makes me feel uncomfortable? What would the uncomfortable look like? Under what circumstances do I appreciate the state of discomfort? In this two-day seminar, will design experiments that modify the convenience surrounding us to explore the aesthetics of discomfort. The seminar will follow up on the conference "Urban Minorities", where we will present our project "New Cairo Case".

*Module: Urban Sociology*

**2 SWS/ 3 CP**

René Seyfarth, M.A.

### **S Contested Spaces – Spatialized conflicts**

target group: Master EU/AdUrb, Master Urbanistik, IPP-EU, Erasmus  
language: English  
time/ location: Tuesdays, 03.15 – 4.45 pm, Belvederer Allee 5, Room 007  
start: 21.10.2014  
registration: Belvederer Allee 5, Room 003, 13.10.2014 – 30.10.2014

#### Content

New York, Tel Aviv, Madrid, Istanbul, Sao Paulo, Cairo, and a lot more cities have been on the map of urban conflicts within the last years. While the protestors took a stand against the national government and/or the urban regime and/or globalized

powerscapes for quite different reasons, the protests have been partly perceived as a global movement, as somehow connected. This seminar aims at discovering the local logic as well as the more general aspects behind these conflicts. The seminar will consist out of three parts – an introduction to the theory of conflict, a review of selected events and the analysis of the spaces where these conflicts manifested themselves. Is there a connection between space and conflict? How do conflicts transform spaces – physically as well as socially and symbolically?

*Module: Urban Sociology*

**2 SWS/ 3 CP**

Dr. des. René Lenz M.A.

### **S Migration and the European City**

target group: Master EU, Master AdUrb, Master Urb, IPP-EU, Erasmus  
language: English  
time/ location: Tuesdays 03.15 - 4.45 pm, Belvederer Allee 5, Room 005  
start: 21.10.2014  
registration: Belvederer Allee 5, Room 003, 13.10.2014 – 30.10.2014

#### Content

The seminar objective is to analyse the development of cities in Europe and the importance of migration. The first focus is the character of the City in Europe: which institutions and processes shape its form. Here, Globalisation and Europeanisation are seen as two dominant terms and in addition, the context of the internationalization of the capitalist production mode is discussed. One result is an ethnically diverse city. Today, migrants live in particular in urban areas even in East Germany or Russia. Therefore the second focus lies on the process and impact of migration from the arrival to governance. This will be done in the seminar with a comparative perspective.

*Module: Urban Sociology*

**2 SWS/ 3 CP**

Prof. Dr. F. Eckardt

### **S Urban Disaster**

target group: Master Urb, Master Architecture, IPP-EU, Master NHRE, Erasmus  
language: English  
time/ location: Mondays, 11.00 am – 12.30 pm, Marienstraße 13c, Lecture Hall C  
start: 20.10.2014  
registration: Belvederer Allee 5, Room 003, 13.10.2014 – 30.10.2014

#### Content

Cities have become the place for the most disastrous catastrophes. Destruction comes from a wide range of phenomena like earthquake, hurricanes, volcanoes, Tsunamis and others. It seems inevitable that these "natural hazards" are hitting cities even more in the future as the climate change develops its consequences. While engineering seeks for technical options for adaptation and mitigation, the main subject will be how people can develop new social practices in their daily life to survive, recapture and prevent damages of their lives. These questions are not easily to be answered and require a more profound understanding of urban life. This can only be achieved if these catastrophes are regarded in its societal context. This seminar wants to inform about a sociological perspective on natural catastrophes in cities. Its main assumption is that natural hazards only become a human disaster under certain circumstances. It will present recent approaches from sociology to understand more on the causes, effects and long lasting impacts of disasters in general. Looking back on different case studies, the seminar aims at providing a broader understanding of the context, framing, experience, reaction and recovery of disasters. Particular attention will be paid to the "post-disaster communities, the way people organize themselves during and after the disaster.

*Module: Project Development*

**2 SWS/ 3 CP**

Dipl.-Ing. K. Hoffmann, Prof. B. Nentwig

### **S Real Estate Project Development**

target group: Master EU  
language: English  
time/ location: Wednesdays, 11.00 am – 03.00 pm even weeks, Belvederer Allee 5, Room 007  
start: 15.10.2014  
registration: Belvederer Allee 5, Room 003, 13.10.2014 – 30.10.2014

#### Content

Constitutive on the course Basics and Methods of Real Estate Project Development a development task is the main topic of this course. Characteristics are market and location analysis, concepts for estimated usage and economic calculations. Additional information will be given in the first course.

*Module: Project Development*

**2 SWS/ 3 CP**

Dipl.-Ing. K. Hoffmann, Prof. B. Nentwig

### **S Real Estate Project Development**

target group: Master AdUrb  
language: English  
time/ location: Wednesdays, 11.00 am – 03.00 pm uneven weeks/ Belvederer Allee 5, Room 007  
start: 22.10.2014  
registration: Belvederer Allee 5, Room 003, 13.10.2014 – 30.10.2014

#### Content

Constitutive on the course Basics and Methods of Real Estate Project Development a development task is the main topic of this course. Characteristics are market and location analysis, concepts for estimated usage and economic calculations. Additional information will be given in the first course.

*Module: Applied Geography*

**2 SWS/ 3 CP**

Dr. phil. L. Kam

### **S Urbanism in China**

target group: Master AdUrb (BUW)  
language: English  
time/ location: Wednesdays 11.00 – 15.00 am even weeks, Belvederer Allee 5, Room 005  
start: 15.10.2014  
registration: Belvederer Allee 5, Room 003, 13.10.2014 – 30.10.2014

#### Content

Like many other Asian cities, Chinese cities have been fundamentally undergoing a transformation process in the previous decades, as a result of globalization and intensive modernization. This development however, is accompanied by the destruction of the unique cultural heritage and identity represented by the built environment in the region. The broad discussion is, 'Who are the actors contributing to the formation of the current China?' This course enables students to throw a glance to both the traditional and contemporary built environment in the Chinese region through an interdisciplinary approach. The course aims at providing an introduction to several selected Chinese cities on a thematic basis, e.g., the vernacular architecture and urban settings for the Hakka tribe in the Southeast Region of China, development Vs destruction in contemporary Shanghai and post-colonial Hong Kong etc. Students are encouraged to interpret city and its urban settings by understanding and considering its traditions, culture, politics, climate and geography as well as the in- between dynamics and tensions of these issues. A range of themes and locations will be introduced and the students will be studying and investigating these Chinese cities/ towns/ regions as case studies. As the Chinese culture is foreign for most of the students, we shall commence our investigation with these Chinese cities/ settlements with the aid of different resources such as films, photography, documentaries and paintings, as well as journals and literature. The course includes a sequence of lectures and student presentations. The lectures will provide the historical and theoretical background necessary for the discussion of development issues in a broad perspective. Student presentations will focus on independent research including observations, literature reviews and hence critical thinking.

*Module: Model Projects*

**2 SWS/ 3 CP**

Dipl.-Ing. (FH)P. Schmidt MSc

### **S Introduction to Model Projects**

target group: Master EU 1<sup>st</sup> Semester  
language: English  
time/ location: Tuesdays 11.00 am – 12.30 pm, Belvederer Allee 5, Room 005  
start: 14.10.2014  
registration: Belvederer Allee 5, Room 003, 13.10.2014 – 30.10.2014

#### Content

The seminar serves as preparation for the Model Project semester in spring/summer 2015. Besides an introduction to the 'Model Projects European Urban Studies', students will learn to present their personal portfolios for the prospective model project partners at an early stage in the semester. This also consist of individual presentations. The first semester students (only European Urban Studies) are also invited to participate in the third semester's meetings of the model project seminar to get first impressions of content and form of different experiences from last semester's model projects. Participation is obligatory and only for EU students and will be credited as part of the Model Projects.

*Module: Model Projects*

**4 SWS/ 6 CP**

Prof. Nentwig, Dipl.-Ing. (FH) P. Schmidt, MSc

**S Model Project Forum/Seminar**

target group: Master EU 3<sup>rd</sup> Semester  
language: English  
time/ location: Online seminar + block session in Weimar in February, Dates will be announced  
start: 18.11.2014  
registration: Online at moodle platform: 13.10.2014 – 24.10.2014

**Content**

The seminar's goal is to exchange about and learn from different projects in the field of urban practice where second semester students have been involved in during their Model Project semester in summer 2014. The seminar challenges students to contextualize the own individual practical work and research experience into a broader context of urban research. This allows participants to deepen the understanding between practice and theory, to contribute real-world-experience in a reflective way and to develop a own set of interdisciplinary action approaches within their individual professional appreciation. Finally, the seminar also prepares students to hold a lecture for the International Model Project Forum in front of audience that is dedicated to an overarching conference title. The seminar mainly consist of three phases: 1.) Reporting and evaluating the Model Projects through individual presentations and group discussion, 2.) Introduction to the Model Project Forum including the preparation of and feedback on individual presentation concepts for the forum, 3.) Coached rehearsals for presentations, and last but not least the final presentations at the 15th International Model Project Forum (end of February or March 2015).

Note: Participation is mandatory for third semester EU students! Class based on continuous and active participation. Attested absence of more than two meetings leads to credit failure.

**EXERCISE COURSES**

*Module: Expertise Mediation*

**2 SWS/ 3 CP**

Dipl.-Kaufm. T. Dobberstein

**E Introduction to Moderation**

target group: Master Ad Urb  
language: English  
time/ location: Blocks, Mondays, 09.15am – 04.45 pm  
13.10.14, 03.11.14, 01.12.14, 19.01.15  
Belvederer Allee 5, Room 007  
start: 13.10.2014  
registration: Belvederer Allee 5, Room 003, 13.10.2014 – 30.10.2014

**Content**

Meetings with representatives of different interest groups are important milestones in today's planning processes. The different expectations regarding the outcome of the meeting and the different backgrounds of the participants challenge the diplomatic skills of the planners who lead the discussion. The lecture teaches fundamental tools to guide group meetings and planning workshops towards a productive output. Practical exercise sessions address techniques to visualize and to moderate planning related issues. A consensus on multi-interest decisions in the urban context depends on the accurate detection of all different interests of the stakeholders involved and the right analysis of potentially conflicting positions. The implementation of informal planning strategies and dialogue based communication are discussed in the course.

*Module: Expertise Mediation*

**2 SWS/ 3 CP**

Dipl.-Kaufm. T. Dobberstein

**E Introduction to Moderation**

target group: Master EU  
language: English  
time/ location: Blocks, Mondays, 27.10.14, 10.11.14, 08.12.14, 26.01.15  
Belvederer Allee 5, Room 007 09.15 am - 04.45 pm  
start: 27.10.2014  
registration: Belvederer Allee 5, Room 003, 13.10.2014 – 30.10.2014

**Content**

Meetings with representatives of different interest groups are important milestones in today's planning processes. The different expectations regarding the outcome of the meeting and the different backgrounds of the participants challenge

the diplomatic skills of the planners who lead the discussion. The lecture teaches fundamental tools to guide group meetings and planning workshops towards a productive output. Practical exercise sessions address techniques to visualize and to moderate planning related issues. A consensus on multi-interest decisions in the urban context depends on the accurate detection of all different interests of the stakeholders involved and the right analysis of potentially conflicting positions. The implementation of informal planning strategies and dialogue based communication are discussed in the course.

*Module: Expertise Mediation*

**2 SWS/ 3 CP**

Dr. S. Schipper

**E Academic Skills**

target group: Master EU  
language: English  
time/ location: Tuesdays 09.15 – 10.45 am, Belvederer Allee 5, Room 007  
start: 14.10.2014  
registration: Belvederer Allee 5, Room 003, 13.10.2014 – 30.10.2014

**Content**

At the beginning we will deal with the process of production of scientific knowledge as such considering basic 'rules' of scientific work. As learning by doing is usually a successful way which makes us experiencing the specific demands of a research process you will work in the course in small teams defining and planning your own research project. Starting the practical work we will first deal with different sources of information, how to decode and evaluate them as well as how to quote and organize them properly in scientific working and writing. Now having an idea how and where to gather information you will define your own research question and develop a research concept step by step going from a proper wording of the research question to the selection of fitting research methods, time planning and documentation.

*Module: Expertise Mediation*

**2 SWS/ 3 CP**

Dr. S. Schipper

**E Academic Skills**

target group: Master AdUrb  
language: English  
time/ location: Tuesdays 11.00 am – 12.30 pm, Belvederer Allee 5, Room 007  
start: 14.10.2014  
registration: Belvederer Allee 5, Room 003, 13.10.2014 – 30.10.2014

**Content**

At the beginning we will deal with the process of production of scientific knowledge as such considering basic 'rules' of scientific work. As learning by doing is usually a successful way which makes us experiencing the specific demands of a research process you will work in the course in small teams defining and planning your own research project. Starting the practical work we will first deal with different sources of information, how to decode and evaluate them as well as how to quote and organize them properly in scientific working and writing. Now having an idea how and where to gather information you will define your own research question and develop a research concept step by step going from a proper wording of the research question to the selection of fitting research methods, time planning and documentation.

**MASTER - COLLOQUIUM**

*Module: Masters' Thesis*

**2 SWS/ 3 CP**

Dr. S. Schipper/Prof. IfEU

**Master - Colloquium EU/AdUrb**

target group: Master EU, Master AdUrb  
language: English  
time/ location: Block course/ see notice-board  
start: See notice-board  
registration: Not necessary, all students accepted for the Master examination have to participate

**Content**

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.



## COMPULSORY ELECTIVES

*Module: Compulsory Electives*

2 SWS/ 3 CP

Dr. Nathalie Jean-Baptiste

### **S Housing in a Global Changing Environment – Assessing the Vulnerability and Promoting the Resilience of Cities**

target group: Master EU + AdUrb, Master Urb., IPP-EU, Erasmus  
language: English  
time/ location: Fridays, 11.00 am – 12.30 pm, Belvederer Allee 5, Room 008  
start: 24.10.2014  
registration: Belvederer Allee 5, Room 003, 13.10.2014 – 30.10.2014

#### Content

Cities across the globe are facing the reality of climate variability. Climatic threats such as floods, storm surges, sea level rise are predicted to have negative effects on human, economic and environmental assets. Urban areas in low- and middle-income nations are particularly at risk. They account for already more than a third of the world's total population and they are likely to house most of the world's demographic and economic growth in the next 10–20 years. Such growth does not come without consequences in a global and climatic changing environment

Extreme events have disastrous consequences across the globe resulting in financial, social and environmental losses. Since Hurricane Katrina's destruction in 2005, the world has seen heavy flooding across Africa in 2009, 2011 and 2013; the effect of a Tsunami in Japan in 2011; the damages caused by Hurricane Sandy in North America and the Caribbean islands in 2012 as well as the most recent destructions from Super Typhoon Haiyan in the Philippines. The world has experienced tremendous challenges to anticipate, cope with and recover from these extreme events.

Global environment changes (including extreme weather events, unregulated processes of urbanization as well as economic and conflict related migration) will make the whole issue of housing even more relevant in the future. The question of housing in connection with growing demands and pre-conditions for adaptation to climate change needs to be considered in the framing of sustainable housing development.

This course highlights the specific impacts and innovative responses towards climate adaptation in housing particularly at the intersections of formal and informal systems. It discusses how extreme events have transformed the localization, construction and maintenance of housing and particularly what are the drivers and impact of climate-related events and how have they shaped the vulnerability and responses from planning, design and policies in the housing sector. The course will couple social and ecological research perspectives as well as methodological approaches. It will provide a characterization of the territorial systems, an analysis of trade-offs and will explore ideas on ongoing processes of internal displacement and relocation, environmental and social vulnerability, resilience and planning recovery.

Requirements: GOOD LEVEL OF ENGLISH mandatory!!!!, knowledge of development issues in emerging and low income countries desirable.

*Module: Compulsory Electives*

2 SWS/ 3 CP

Dipl.-Ing. Sven Schneider, Prof. Dirk Donath

### **S Computational Urban Analysis**

target group: Master AdUrb  
language: English  
time/ location: Blocks, Mondays, 09.15am – 10.45 am  
20.10.14, 17.11.14, 24.11.14, 15.12.14, 05.01.15,  
12.01.15  
Belvederer Allee 1a, Medienpool 003  
start: 20.10.2014  
registration: Belvederer Allee 1, 2<sup>nd</sup> Floor, Room 205,  
beginning at 13.10.2014

#### Content

Cities are currently shaping the lives of more than 3.5 billion people worldwide. This makes them one of the most influential and the most complex artifacts created by mankind. The demographic and economic pressure causes that the processes of slow evolution made up of small steps which shaped the old cities for a centuries has to accelerate into one single master plan defining the lives of millions inhabitants. Big steps forward does not only increase the speed but also the impact of every decision made. These can either improve or worsen the living quality of billions. The responsibility

carried by the planners makes it therefore inevitable to clearly understand the way how cities work and in particular how they influence human behavior.

However planners are more focused on single architectural elements (houses, streets, plazas) having only limited knowledge about what happens when these elements are put together. One of the major reasons for this is the enormous complexity of systems like cities which are build out of millions of different elements facilitating or interfering interactions of millions of inhabitants.

Nevertheless there are methods and tools allowing the planner to gain better understanding of this complexity and use this knowledge to materialize the design intentions into urban form.

Focus of this seminar will be on theoretical understanding and practical use of these tools and methods. During the semester we will work our way from understanding the existing city through empirical observation into theoretical models and computational analysis which can be used for the future planning.

*Module: Compulsory Electives*

**2 SWS/ 3 CP**

Dipl.-Ing. Nicole Baron

### **S Urban Resilience and Building Construction**

target group: Master EU/AdUrb, Master Urb., IPP-EU, Erasmus  
language: English  
time/ location: Wednesdays, 3.15 pm – 4.45 pm, Geschwister-Scholl-Str. 8, Room 108  
start: 20.10.2014  
registration: Belvederer Allee 5, Room 003, 13.10.2014 – 30.10.2014

#### Content

Bauhaus-University Weimar (BUW) in collaboration with the Ethiopian Institute of Architecture, Building Construction and City Development (EiABC) of Addis Ababa University AAU.

Under the concept of "Urban Resilience" we understand a broad panorama of ideas that reflect the approach that the development of a city should not take place at the environment's and future generations' expenses. Having said that, we do not, however, pledge for austerity and puritanism but for a new opulence of urban space, culture, and lifestyles. (After: Thomas Sieverts in "Resilienz" by Harald Kegler)

The seminar "Urban Resilience and Building Construction" will convey a broad knowledge about urban resilience as well as its consequences for building construction and the architectural shape. Students shall develop their ability to recognize key aspects of urban resilience in general and apply what they have learnt in an analysis of their hometowns.

The course will be held as a pilot project of the Bauhaus-University's participation in the BMBF (German Ministry for Education and Research) project "Offene Hochschulen" (Open Universities) with its program "Professional Bauhaus". This course by the Institute for European Urban Studies is targeting on online-collaboration to explore blended learning formats in the field of architecture and design education. For this purpose, two groups of students from Weimar, Germany and Addis Ababa, Ethiopia will work parallel and look at the topic from their specific local context.

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