

Vorlesungsverzeichnis

M.Sc. Integrated Urban Development and Design
(PO 2020)

Sommer 2025

Stand 23.09.2025

M.Sc. Integrated Urban Development and Design (PO 2020)

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M.Sc. Integrated Urban Development and Design (PO 2020)**125120201 Amsterdam-Zuidoost – Planning Process for a future-oriented urban development****K. Brüske, S. Eipper, B. Nentwig**

Veranst. SWS: 10

Projektmodul

Do, Einzel, 09:15 - 16:45, Bauhausstraße 9c - Arbeitsraum 004, 10.04.2025 - 10.04.2025

Do, wöch., 09:15 - 16:45, Bauhausstraße 9c - Arbeitsraum 001, 17.04.2025 - 03.07.2025

Do, Einzel, 09:15 - 16:45, Geschwister-Scholl-Str.8A - Seminarraum 105, 03.07.2025 - 03.07.2025

Beschreibung

The culture of urban planning varies from place to place, which is a reason why cities have distinct identities and atmospheres. Each city typically has its own parameters and design principles that must be analyzed in order to further develop them for enhancing urban environments while preserving their unique local qualities.

This course provides students with a comprehensive framework for urban planning by combining theoretical foundations, practical application, and scenario-based decision-making.

By systematically analyzing the urban context, students will identify decisive aspects that need to be addressed within the project. These aspects will serve as the evaluation criteria for subsequent decision-making processes. Using scenario planning as a methodological tool, students will be guided through structured decision-making processes to develop planning strategies. In an interactive class setting, students will engage in a simulated design competition process. They will organize a jury session, presenting and defending their planning proposals. This final evaluation stage focuses on critically assessing design solutions and refine the ability to communicate urban planning strategies effectively.

Voraussetzungen

Leistungsnachweis: Note

1520020 Denkmalpflege und Heritage Management**D. Spiegel**

Prüfung

Mo, Einzel, 13:30 - 15:00, Audimax, 21.07.2025 - 21.07.2025

Leistungsnachweis

schriftliche Prüfung

125122801 Speculative Futures – Exploring Transformative Design Through Design Fiction**A. Brokow-Loga**

Veranst. SWS: 2

Seminar

Do, Einzel, 09:15 - 10:45, 17.04.2025 - 17.04.2025

Fr, Einzel, 09:00 - 18:00, 02.05.2025 - 02.05.2025

Sa, Einzel, 09:00 - 18:00, 03.05.2025 - 03.05.2025

Beschreibung

How can we explore alternative urban futures beyond traditional forecasting methods? This seminar investigates speculative design and design fiction as powerful tools to rethink urban environments, architecture, and societal transformations. Instead of merely analyzing trends, students will engage in future-making by developing speculative artifacts that challenge conventional perspectives on cities, technology, and design.

In an era of increasing complexity, climate crises, and rapid technological advancements, urban landscapes are shifting unpredictably. Through a design-driven approach, students will create tangible representations of speculative urban futures, exploring themes like post-human cities, autonomous infrastructures, decentralized communities, and alternative urban ecologies. By building and visualizing these imagined futures, they will critically assess how cities evolve under different scenarios and design interventions.

This seminar combines hands-on prototyping, narrative-driven foresight, and interdisciplinary collaboration. Students will work with Futures Wheels, Worldbuilding, and Design Fiction Scenarios to design speculative urban interventions, bridging creativity with research-based foresight. The course highlights how speculative design serves as a strategic tool for urban innovation, allowing participants to prototype possibilities, navigate uncertainty, and reframe societal challenges through creative engagement with the future.

By the end of the course, students will not only understand foresight methodologies but also apply them to create thought-provoking, immersive, and critically engaging visions of urban futures.

Key Learning Objectives:

- Develop futures literacy and systemic thinking.
- Apply speculative design and design fiction to urban, architectural, and technological challenges.
- Use prototyping as a medium for exploring alternative futures.
- Strengthen collaborative, creative, and analytical skills.
- Translate abstract foresight concepts into tangible, communicative artifacts.

Prüfungsleistung: Instead of a traditional paper, students will produce a "Future Artifact Book", compiling their speculative designs, visual narratives, and conceptual reflections. This book will serve as a tangible representation of their work, bridging imagination with academic inquiry.

Termin: Blockseminar, 17.04.2025 (09:15 - 10:45), 02.05.2025 (09:00 - 18:00), 03.05.2025 (09:00 - 18:00)

Dozenten: Max Irmer, Anton Brokow-Loga

Leistungsnachweis

Prüfungsleistung: Instead of a traditional paper, students will produce a "Future Artifact Book", compiling their speculative designs, visual narratives, and conceptual reflections. This book will serve as a tangible representation of their work, bridging imagination with academic inquiry.

119123701 Introduction to Masters´ Thesis

R. König, S. Schneider, M. Bielik

Veranst. SWS: 2

Seminar

Mo, wöch., 07.04.2025 - 30.06.2025

Beschreibung

The seminar introduces different approaches for starting your master thesis:

- How to find an appropriate topic?
- How to formulate a good question?
- How to select appropriate methods?
- How to present the results and answer the initial question?

We train writing an abstract for your thesis and present the overall concept.

121123701 GIS for Integrated Urban Development Part II

M. Mousa

Veranst. SWS: 2

Seminar

Mi, wöch., 13:30 - 15:00, 02.04.2025 - 02.07.2025

Beschreibung

Geographic Information Systems (GIS) are a useful tool for multiple disciplines and user groups. In urban development and planning, different constituencies like local authorities interact through GIS e.g. applying it in environmental agencies, transportation, energy, resource and waste management, retail, disaster management, and socio-economics. Collecting, managing, analysing and visualising data with GIS as an information sharing tool can help in different stages of planning processes – from identifying problems to evaluating different planning proposals. Working with GIS allows to create easy understandable maps and to enable communication processes.

This course introduces different spatial analysis of Vector and Raster data based on ESRI ArcGIS Toolbox tools. For developing a complex process through different tools, ModelBuilder will be applied to connect different tools and automates workflow based on different variables and parameter. The participants will be introduced to ModelBuilder interface, proprieties and how to create, run and edit the Model. Various spatial analysis qualifications will be gained such as where to allocate each use/service based on pre-identified criteria.

Basic knowledge of ArcGIS is required for the course such as create, edit and deal with Geodatabases, feature dataset, feature classes, data selection and visualization.

The course will be assessed based on assignment and final project where participants create their own models and present it. This will be based on an excursion to Chemnitz in the second half of the semester where participants will apply their mapping capacities in GIS in the context of a pedestrian analysis.

124120601 Cities and Suburbs: Roadmap to Sustainability and Resilience

B. Stratmann

Veranst. SWS: 2

Seminar

Di, wöch., 09:15 - 10:45, Marienstraße 13 C - Hörsaal D, 08.04.2025 - 01.07.2025

Beschreibung

When looking at suburbs, people and planners often see something very different. Whereas the former dream of a better lifestyle, the latter often talk about urban sprawl and point to a long list of negative aspects of this kind of urban form. Particularly in view of rising energy consumption, Peak Oil and possible climate change continuing trends towards global suburbanization have caused concerns. However, more recently the "reading" of suburbs has changed. The prevailing critical discourse has been challenged by the assumption that suburbs – if designed and managed well – can be aligned with the overall goal of sustainability. This includes a reappraisal of "suburbanism as a way of life" that might offer a lot. The seminar will examine the current debate by taking American, Australian, Chinese and German cities as an example. To this end concepts of sustainable urban development will be explored, followed by a practice review. It will be argued that the debate on suburbia is embedded in a much larger, underlying debate on the good life.

The Coronavirus pandemic (COVID-19) and similar future risks give rise to questions such as: Is urban densification still a good approach in urban planning? Is the global trend towards more and ever larger metropolises healthy and sustainable? Would more decentralized settlement structures and lower urban densities better protect human health, and, in doing so, increase the overall resilience of cities and countries? Or would these strategies, on the contrary, create an abundance of adverse effects?

engl. Beschreibung

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Voraussetzungen

Good English language skills, both written and spoken.

Leistungsnachweis

Assessment is mainly based on a presentation with a written version submitted towards the end of the semester. Students who do not need a grade, may receive a pass if their performance is adequate.

124122405 Parametric Urban Design :: Advanced

R. König, E. Fuchkina, E. Gavrilov

Veranst. SWS: 2

Seminar

Di, wöch., 13:00 - 15:00, Belvederer Allee 1a - Allg. Medienpool 003, 08.04.2025 - 01.07.2025

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 (usually the current IUDD project). It is expected that the participants have absolved the course "Parametric Urban Design and Analysis" from the previous semester.

124122406 Computational Urban Analysis & Simulation :: Advanced

R. König, E. Gavrilov, I. Osintseva, E. Özaltay

Veranst. SWS: 2

Seminar

Di, wöch., 11:00 - 12:30, Belvederer Allee 1a - Allg. Medienpool 003, 08.04.2025 - 01.07.2025

Beschreibung

In this seminar, you learn to work with advanced urban analysis and simulation techniques based and computational methods. We deal with the modeling of complex spatial systems on the regional and urban level. In the seminar, analysis methods for urban fabric (e.g. for visibility, pedestrian movement or economic potentials) and models for computing interactions between land uses are introduced.

You apply the learned skills in the current urban planning project. It is expected that the participants experienced with Grasshopper/Rhino3D.

125122401 Integrated Urban Design for Almere, Amsterdam, Netherlands

R. König, S. Schneider, M. Bielik, E. Gaydukov, P. Schmidt

Veranst. SWS: 10

Projektmodul

Do, wöch., 09:15 - 18:30, 03.04.2025 - 03.07.2025

Beschreibung

Integrated Urban Design project in the city of Almere (and Amsterdam), Netherlands. The design task will be introduced in the beginning of the project in detail. We collaborate with the city administration of Almere and Amsterdam.

Participation at the project requires successful completion of preparatory seminars in the WS at the professorship InfAU.

125122402 Climate-Adaptive Urban Design: Exploring Data-Driven Strategies with Autodesk Forma

R. König, S. Schneider, N.N.

Veranst. SWS: 2

Seminar

Fr, wöch., 11:00 - 12:30, Belvederer Allee 1a - Allg. Medienpool 003, 04.04.2025 - 04.07.2025

Beschreibung

In an era of intensifying climate change, rising temperatures, and expanding urban populations, climate-adaptive planning is more critical than ever. This seminar introduces data-driven methodologies that empower participants to plan, test, and refine climate-adaptive urban environments. Using Autodesk Forma, a collaborative analytics platform for the early planning stages, participants compare real-time scenarios to interpret wind patterns, assess microclimates, optimize daylight potential, and develop strategies that enhance thermal comfort — all without requiring advanced digital skills.

Guest lectures from Autodesk Forma and experts leading design studios provide professional context, showcasing how climate-sensitive design is integrated into cutting-edge practice. Through hands-on group work, participants learn to read wind roses, solar diagrams, and other climatic data, then apply that knowledge to outline and test strategies for future-proof urban design in selected study areas.

By bridging digital tools, sustainability, and design thinking, this course offers a comprehensive learning experience for anyone interested in shaping livable, low-impact, and future-proof cities. Join to gain the tools, insights, and collaborative mindset essential for innovative urban transformation.

125122701 Spatial planning and migration: challenging borders

J. Bleckmann

Veranst. SWS: 2

Seminar

Mi, Einzel, 15:15 - 16:45, Belvederer Allee 5 - Seminarraum 007, 16.04.2025 - 16.04.2025

Mi, wöch., 15:15 - 18:30, Belvederer Allee 5 - Seminarraum 007, 30.04.2025 - 04.06.2025

Mi, Einzel, 15:15 - 16:45, Belvederer Allee 5 - Seminarraum 007, 18.06.2025 - 18.06.2025

Beschreibung

Europe seems to be shifting to the right - at least in many places and in a number of national governments we can observe a rise of the far right and a reorientation towards authoritarian and nationalist ideas. The proclaimed fight against so-called irregular migration seems to have drifted from the right to the centre and even centre-left of national politics. At the same time, numerous organisations, institutions, social movements, activists and individuals, sometimes local governments, are fighting for and defending basic human rights. Often in alliance with people on the move, this fight for inclusion, solidarity and the right to exist and participate in society takes place on the routes and at the places of arrival.

In the seminar 'spatial planning and migration: challenging borders', we want to look at different national spatial planning contexts in Europe and how they deal with the arrival of migrants and refugees.

There are different ways in which the organisation of space and spatial planning are intertwined with the arrival of migrants and refugees. We will look at concepts from the critical border studies as well as such as the 'post-migrant society' (Foroutan 2019), but also at solidarity movements and their impact on spatial planning and spatial development. We will explore the question of how spatial planning is embedded in national and supranational contexts, and to what extent local governments can organise arrival infrastructures in their own way by examining case studies. Cases we will discuss include the network of solidarity and sanctuary cities, municipality movements, concepts of urban citizenship, and arrival infrastructures and neighbourhoods. We won't only focus on cities and urban spaces, but also on rural areas and their specific contexts and challenges. Finally, we will discuss the extent to which Europe's external borders, their externalisation and border regimes can be discussed as a spatial planning issue.

After the kick-off meeting, the seminar will take place in double sessions. In preparation for each session, there will be a compulsory reading of academic texts. In small groups, each participant will moderate a seminar session (1,5h): this includes developing a didactic concept to deliver and discuss the content with the seminar group.

Bemerkung

The seminar is compulsory for the students of the Master 'European Urban Studies'. If you are not involved in the EUS Master and if you want to attend the seminar, please contact Jana Bleckmann **first:** jana.bleckmann@uni-weimar.de

Voraussetzungen

The seminar is compulsory for the students of the Master "European Urban Studies".

Leistungsnachweis

conception and moderation of a seminar session, active participation and reading of the texts, individual paper: essay of max. 3000 words at the end of the semester.

1724415 Urban Sociology (Introduction)

F. Eckardt

Veranst. SWS: 2

Vorlesung

Mo, wöch., 15:15 - 16:45, Coudraystraße 9 A - Hörsaal 6, 14.04.2025 - 30.06.2025

Beschreibung

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.

Richtet sich an: EU, IPP/Urban Heritage, MediaArchitecture; IUDD, MA Urbanistik, MA Fine Arts/Public Space, BA and MA Erasmus students

Termine: montags, 15.15-16.45 Uhr, first date: 14.4.25

Ort: Hörsaal D (?)

Dozent: Prof. Frank Eckardt

Bemerkung

Richtet sich an: EU, IPP/Urban Heritage, MediaArchitecture; IUDD, MA Urbanistik, MA Fine Arts/Public Space, BA and MA Erasmus students

Termine: montags, 15.15-16.45 Uhr, first date: 14.4.25

Ort: Hörsaal D (?)

Dozent: Prof. Frank Eckardt

Master-Colloquium

P. Schmidt

Kolloquium

wöch.

Beschreibung

The colloquium is the larger platform for presentation and discussion of the Masters theses. The candidates will present the intermediate results of their work on their individual topics. Recommendations and comments for further developing the thesis will be made by academics (supervisors) and fellow students attending the colloquium. Admission for the Master examination is required for participation. Performance record (attestation) will be achieved by participating in the entire colloquium and giving an oral presentation.

engl. Beschreibung

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Bemerkung

Time:Block course, see notice-board Location:

Online (BBB) Start: around end of June, exact dates will be announced before

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 participating in the entire colloquium and giving an oral presentation.