

Vorlesungsverzeichnis

M.Sc. Integrated Urban Development and Design
(PO 2018)

Winter 2023/24

Stand 29.04.2024

M.Sc. Integrated Urban Development and Design (PO 2018)	3
Advanced Urbanism	15
Reflective Urban Practice	15

M.Sc. 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.

118220205 Real Estate Development - Lecture

B. Nentwig

Veranst. SWS: 2

Vorlesung

Di, wöch., 09:15 - 10:45, Bauhausstraße 9c - Arbeitsraum 004, 17.10.2023 - 30.01.2024

Beschreibung

This course consists of lecture series and seminar, which offers an opportunity integrating architects, urban planners, developers to explore different topics of real estate development together with various aspects.

The lecture series will focus on the main topics of urban development and real estate, such as analyzing trends of the real estate market, offering economic perspectives in various phases of project development, introducing different property types together with different social milieus.

Additional to this lecture series, there is a complementary seminar which allows you to exercise the knowledge which you collect from the lectures. In this semester, we will offer you an opportunity to explore one specific real estate typology from these two: Retail or Hotel. The seminar will guide you through the tasks which you have to accomplish by broadening and deepening the insight of how an evaluation research report is composite at an early project development stage.

In order to acquire 6 Credit Points in total, you must attend both lectures and seminars.

118220206 Real Estate Development - Seminar

B. Nentwig, P. Schroeder

Veranst. SWS: 2

Seminar

Di, wöch., 11:00 - 12:30, Bauhausstraße 9c - Arbeitsraum 004, 17.10.2023 - 30.01.2024

Beschreibung

This course consists of lecture series and seminar, which offers an opportunity integrating architects, urban planners, developers to explore different topics of real estate development together with various aspects.

The lecture series will focus on the main topics of urban development and real estate, such as analyzing trends of the real estate market, offering economic perspectives in various phases of project development, introducing different property types together with different social milieus.

Additional to this lecture series, there is a complementary seminar which allows you to exercise the knowledge which you collect from the lectures. In this semester, we will offer you an opportunity to explore one specific real estate typology from these two: Retail or Hotel. The seminar will guide you through the tasks which you have to accomplish by broadening and deepening the insight of how an evaluation research report is composite at an early project development stage.

In order to acquire 6 Credit Points in total, you must attend both lectures and seminars.

118222405 Parametric Urban Design and Analysis

S. Schneider, E. Gavrilov, I. Osintseva

Veranst. SWS: 2

Seminar

Mi, wöch., 15:15 - 16:45, Belvederer Allee 1a - Allg. Medienpool 003, 11.10.2023 - 31.01.2024

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. Firstly, you will learn to create parametric models, that allow to quickly generate a large amount of design variants. Secondly, you will get introduced to spatial analysis methods (density, visibility and accessibility) in order to identify different (human centered) qualities of the generated urban forms.

The theories and methods you learn in this class provide the basic theoretical and technological framework for integrated urban development and design, which we will further deepen in the study project in the next semester.

The knowledge provided through online seminars will be deepened in consultations and documented in several exercises. No prior technical knowledge is required.

11822806 Introduction to European Cities**D. Zupan**

Veranst. SWS: 2

Seminar

Mi, gerade Wo, 09:15 - 12:30, Belvederer Allee 5 - Seminarraum 005, 18.10.2023 - 31.01.2024

Beschreibung

Introduction to European Cities is a reading seminar that is closely linked to the lecture European Cities I. It provides comprehensive knowledge of European city development and introduces students to key texts in urban studies. The seminar systematically deepens the topics introduced in the lecture. We will read selected texts, critically reflect upon them, and use them as the basis for group works and discussions. Doing so we will familiarize ourselves with relevant current and historical positions and research on European cities. Topics to be discussed include the European city as analytical and normative concept, neoliberal urbanism, postsocialist urban transformation, material and immaterial urban heritage.

Bemerkung

Start: 18.10.23, every two weeks

Leistungsnachweis

course attendance certificate

118223501 Academic Skills**M. Valasek**

Veranst. SWS: 2

Übung

Di, wöch., 13:30 - 15:00, Bauhausstraße 9c - Arbeitsraum 004, 17.10.2023 - 30.01.2024

Beschreibung

In this seminar, students will understand and practice producing scientific knowledge with a focus on the urban realm. The course will include learning about the craft of scientific writing, rules of good scientific practice, selecting research methods, time planning, and the research steps from gathering data to the finished text. Guided by the

lecturer, students will work in small teams to practice the individual steps of "doing research." In the end, students will apply their new skills by developing and presenting a research concept.

engl. Beschreibung

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.

Leistungsnachweis

Written examination (term paper) using the score pass/fail

118223704 Moderating Planning Processes

T. Dobberstein

Veranst. SWS: 2

Blockveranstaltung

Mo, wöch., 13:30 - 16:45, Bauhausstraße 9c - Arbeitsraum 004, 16.10.2023 - 29.01.2024

Beschreibung

Integrated development and design processes require skills to effectively communicate with multiple urban actors, ranging from project stakeholders to citizen audiences. Fundamental knowledge of moderation is an important asset for the work with different interest groups in the urban sphere. The exercise course introduces basic moderation skills to meet today's challenges in the field integrated urban development and design, such as cooperative planning, mediation, and project evaluation. This includes the accurate detection of different interests, strategies for multi-interest decisions, and to work with potentially conflicting positions.

118223705 Reflective Urban Practice: Model Project Preparatory Course

P. Schmidt

Veranst. SWS: 2

Seminar

Mi, wöch., 09:15 - 10:45, Bauhausstraße 9c - Arbeitsraum 004, 18.10.2023 - 31.01.2024

Beschreibung

The Model Project Preparatory Course "Reflective Urban Practice" introduces course participants to different fields of activity and occupation in urban development and interdisciplinary approaches in applied research, practice and administration. With the diverse professional fields existing in the field of urban development and design participants are prepared to evaluate and reflect their own existing experience for their future application at a Model Project Partner.

This seminar in the 1st semester of IUDD serves as preparation for the application and placement phase (2nd semester) prior to the Model Project (3rd semester) which students start in autumn next year. The "Model Project" (24 CP) is the praxis semester (3rd semester) of IUDD that takes place world-wide at a selected "Model Project Partner" (offices, institutions, administration) for the purpose of practical training. The internship arrangement (minimum 3 months) is related to urban design, planning, research and development. The training place is either proposed through the programme or the student, and approved through the coordinator of the Model Projects.

Learning Objectives

Besides an introduction to the 'Model Projects Integrated Urban Development and Design' students learn how to link their existing professional experience and interests to a broader field of professional activities related to planning and design. They present and reflect their professional experience. In a second part, the students are coached to further develop their specific interests and communicate them in their professional portfolio and actively take part in the targeted application for the reflective practice semester. First semester students are also attending the annual Model Project Forum to get first-hand impressions from different experiences of last semester's Model Projects.

Participation is mandatory and only for first semester master students of Integrated Urban Development and Design - Reflective Urban Practice (IUDD-RUP).

The seminar takes place in presence with individual consultations online. The class requires continuous and active participation.

engl. Beschreibung

The Model Project Preparatory Course "Reflective Urban Practice" introduces course participants to current trends in urban development and interdisciplinary approaches that target on "good practice" in applied research, practice and administration. With the diverse professional fields existing in the field of urban development and design participants are prepared to streamline their existing experience for the application at a Model Project Partner. The seminar serves as preparation for the application and placement phase prior to the Model Project semester in autumn/winter 2019. The "**Model Project**" (24 CP) is the praxis semester that takes place world-wide at a selected "Model Project Partner" (offices, institutions, administration) for the purpose of practical training. The internship arrangement (minimum 3 months) is related to urban design, planning, research and development. The training place is either proposed through the programme or the student, and approved through the coordinator of the Model Projects.

Learning Objectives

Besides an introduction to the 'Model Projects Integrated Urban Development and Design' students learn how to link their existing professional experience and interests to a broader field of professional activities related to planning and design. They present and reflect their professional experience. In a second part, the students are coached to further develop their specific interests and communicate them in their professional portfolio and actively take part in the targeted application for the reflective practice semester. First semester students are also attending the Model Project Forum to get first-hand impressions of content and form of different experiences from last semester's Model Projects.

Participation is mandatory for first semester students in Integrated Urban Development and Design - Reflective Urban Practice (IUDD-RUP).

Class based on continuous and active participation.

Bemerkung

target group: Master Integrated Urban Development and Design (IUDD – RUP) 1st Semester

language: English

registration: through BISON online platform

119223303 Urban Modeling and Simulation (UMS) - Basic

R. König

Seminar

Veranst. SWS: 2

Mi, wöch., 11:00 - 12:30, Belvederer Allee 1a - Allg. Medienpool 003, 11.10.2023 - 31.01.2024

Beschreibung

Im Rahmen des Seminars werden die Teilnehmer in Methoden der Stadtsimulation 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. Es wird vorgestellt, wie mittels System Dynamics Modellen zeitliche Veränderungen von „Stocks and Flows“ simuliert werden können.

Die im Rahmen von Online-Seminaren vermittelten Kenntnisse werden in Konsultationen vertieft und anhand mehrerer Übungsaufgaben belegt. Es sind keine technischen Vorkenntnisse erforderlich.

engl. Beschreibung

The participants of this seminar are introduced to urban simulation methods. We deal with the modeling of complex spatial systems on the regional and urban level. In this context computational analysis methods for urban fabric (e.g. for pedestrian movement or economic potentials) and models for computing interactions between land uses are introduced. By means of system dynamics models we can simulate temporal changes of "stocks and flows".

The knowledge provided through online seminars will be deepened in consultations and documented in several exercises. No prior technical knowledge is required.

119223901 European Cities

D. Zupan

Veranst. SWS: 2

Vorlesung

Di, wöch., 15:15 - 16:45, Coudraystraße 9 A - Hörsaal 6, 10.10.2023 - 30.01.2024

Di, Einzel, 15:15 - 16:45, Coudraystraße 9 A - Hörsaal 6, 20.02.2024 - 20.02.2024

Beschreibung

What is the "European City"? How did cities in Europe develop historically? And what are trends and challenges that characterize contemporary European urban development?

By engaging with these questions, the lecture provides basic and interdisciplinary knowledge on European urban development. It discusses central concepts related to the "European City", provides an overview of foundational research, and explores new strands in urban studies. It illustrates these developments with case studies from different European cities. In the first part, the lecture reflects on the history of urban development and the material and immaterial urban heritage in European cities, and engages with the analytical and normative dimensions of the "European City". In the second part, it confronts the conceptual and theoretical concepts with current socio-spatial, economic and political developments in different European cities, such as neoliberal urbanism, processes of postsocialist urban transformation or the construction of heritage.

Bemerkung

In-Class

Starting time, 10.10.2023

Additional dates: 09.-11.11.2023 (IfEU Annual Conference 2023)

Leistungsnachweis

Written Test / Grade

120223701 EU policies and integrated urban strategies in Europe's urban and regional development

K. Eckert

Veranst. SWS: 2

Blockveranstaltung

Do, wöch., 09:15 - 15:00, Bauhausstraße 9c - Arbeitsraum 004, 19.10.2023 - 02.11.2023

Do, gerade Wo, 09:15 - 15:00, Bauhausstraße 9c - Arbeitsraum 004, 16.11.2023 - 14.12.2023

Beschreibung

The European Union is heavily investing in the transformation of the urban environment. This recognizes the key role cities play for realizing, for example, the ambitions of the European Green Deal. Upon closer inspection, broad EU policies are defined by historical, cultural, socio-economic and environmental aspects (among others). This makes EU funds and their use an important subject to debate. What are the current challenges being faced by EU regions? How can EU mechanisms be better integrated, support the goals of sustainable development and create the basis for a more just society? Are critical views being heard and are creative integrated solutions truly being implemented?

Integrated urban strategies will be a focus of the seminar. First a presentation of research results and experience in integrated urban projects funded by the EU, including the theoretical foundation and analytical methods will be presented. Topics such as defining "territorial cohesion" and identifying the urban dimension of EU Cohesion Policy will be presented to exemplify the impact currently happening on the city and state level. Students will undertake their own research on a topic of personal interest related to integrated urban development and compare this to EU strategies. At the end of the seminar students shall be able to navigate EU urban policy, identify the impact of integrated urban strategies and debate on future and creative urban visions.

120223702 GIS for Integrated Urban Development

M. Mousa

Veranst. SWS: 2

Seminar

Do, wöch., 13:30 - 15:00, Bauhausstraße 9c - Arbeitsraum 004, online, 19.10.2023 - 01.02.2024

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 practices and applications of GIS in the wider context of urban development. It suits various users from different backgrounds who are interested in spatial information and mapping. Next to a theoretical insight to GIS, in practical applications participants will learn how to create maps by using ESRI ArcGIS software and get an insight in how experts are using GIS for different purposes related to questions of planning and design.

121222805 Urban Sociology (Seminar)

A. Brokow-Loga

Veranst. SWS: 2

Seminar

Mo, wöch., 09:15 - 12:30, Belvederer Allee 5 - Seminarraum 007, 09.10.2023 - 27.11.2023

Beschreibung

From a Social Science perspective, the city is considered as an urban community. Cities are physical and spatial as well as social types of memorials of human life and cohabitation. A high degree of dynamics but also continuity characterize the development of urban societies, but can also lead to conflicts and diverse problems. These problems, mainly deriving from the social construction of urban spaces, represent the main research motivation for this introductory seminar. An urban sociology approach allows addressing the question of how an urban community's different problem areas can be better understood. Thus, the seminar is conceptualized as thorough scientific text analysis in combination with discussion and text visualisation methods, which are skills that might be helpful for the students' research projects in the next semesters. The seminar will take place as a double lesson every week in October and November 2023 and will feature expert input, too.

Bemerkung

Zielgruppe: European Urban Studies, IPP/Urban Heritage, MediaArchitecture; IUDD, MA Urbanistik, MA Fine Arts/
Public Space

Datum: IfEU: 007; Mondays, 9.10.2023-27.11.2023, 9.15-12.30

Leistungsnachweis: tba

Leistungsnachweis

Leistungsnachweis: tba

121223701 IUDD Lectures

B. Nentwig, P. Schmidt

Veranst. SWS: 2

Vorlesung

Mo, wöch., 17:00 - 18:30, Bauhausstraße 9c - Arbeitsraum 004, 09.10.2023 - 29.01.2024

Beschreibung

This course will be offered in the coming summer semester 2024.

The understanding of a well-balanced urban development regarding social, economic and environmental needs is one of the main outlines of European Urban Policies to promote more sustainable cities. In 2007 the responsible ministers for urban development from 27 countries declared the Leipzig Charter as guiding principle to reach a stronger cohesion of the different factors that would be necessarily be more streamlined to reach such sustainable development. Integrated Urban Development Concepts since then have become a main instrument of urbanists to guide this process.

Urban and architectural qualities under the objective of climate adaptation and protection, renewable resources and resource conservation as well as long-term intergenerational perspectives are just some of the topics that have to be negotiated for more comprehensive future cities. For the disciplines concerned with urban design this means to develop a holistic view on the city and an understanding between the different disciplines, also in terms of a social equilibrium in urban space.

For this purpose the lectures in this module are framing different objectives of the Master's Programme »Integrated Urban Development and Design« with the idea to support the "urban curator" to develop a holistic view on the city and an understanding between the different disciplines. The lecture introduces different perspectives on integrated urban development in the sense of multi-disciplinary planning approaches with a closer look on their implementation. Creative strategies and selected examples of "good practice" show how different approaches can be implemented through the lens of different disciplines, bringing together an academic and application-oriented reflection of the subject. Examples also include projects with a strong notion on computational concepts and analysis.

The IUDD lectures will take place as a combination of online-lectures, discussion and invited guest lecturers related to different approaches of requalifying cities and regions in terms of managing change and paradigm shifts. The goal of the lectures is to develop a general understanding and overview about how urban development and urban design can be considered in an interdisciplinary and integrated approach.

Leistungsnachweis

The format of the lectures requires students to contribute to moderated discussions and partly prepare those.

The final submission to receive credits is an essay for a selected subject. Students who require grading will be given an additional task to hand in an extended essay.

123221503 Bauhaus.Modul: Experimentelle Praxis Haus Bräutigam – Gartenamateure

J. Christoph, C. Dörner, M. Frölich-Kulik, T. Hoffmann, H. Kordes Verant. SWS: 2

Kordes

Seminar

Mi, Einzel, 09:00 - 11:00, Bauhausstraße 7b - Seminarraum 004, 11.10.2023 - 11.10.2023

Mi, Einzel, 09:15 - 10:45, Marienstraße 9 - Seminarraum 203, 25.10.2023 - 25.10.2023

Mi, unger. Wo, 09:15 - 10:30, Marienstraße 9 - Seminarraum 203, 08.11.2023 - 31.01.2024

Mi, Einzel, 09:15 - 10:45, Marienstraße 9 - Seminarraum 203, 15.11.2023 - 15.11.2023

Beschreibung

„Die Welt der Gärten zählt auf die Gärtner, ohne sie gäbe es nichts. Aber um sich versammelt sie Vertriebs- und Werbeleute, Unternehmer und Händler, Journalisten und ein ganzes kenntnisreiches Volk, das darauf eingespielt ist, darüber zu reden, und das man Amateure nennt. Von *amare*, lieben. Der Gartenamateur ist nicht nur irgendein untätiger Zuschauer. Er ergründet, reist und vergleicht, er informiert sich und nimmt an Veranstaltungen, Kolloquien und Symposien teil, er bildet sich eine Meinung und kultiviert sein Wissen durch Verfeinerung. Er ist ein Sachkenner.“

Gilles Clement: Die Weisheit des Gärtners, Berlin, 2017

Das Seminar nimmt den vernachlässigten Garten der ehemaligen Pension Haus Bräutigam in Schwarzburg, Thüringen zum Ausgangspunkt, um die Idee eines Gartens aus unterschiedlichen Disziplinen heraus zu betrachten. Im Zentrum steht die Frage, wie eine zukünftige Vorstellung des Gartens vor dem Hintergrund komplexer Realitäten, wie Klimawandel, Ressourcenknappheit, Bedrohung der Biodiversität, aber auch sozialer, ideeller und ästhetischer Zusammenhänge modellhaft aussehen kann. Die realen Fragen und Herausforderungen, vor denen Garten und Haus stehen, lassen sich anhand von vier beispielhaften Kapiteln untersuchen:

Der ideale Garten - Durch welche Ideale sind unsere bisherigen Vorstellungen eines Gartens geprägt? heraus Welche Schlüsse lassen sich aus der Reflexion unserer kulturell geprägten Vorstellungen von einem Garten über unser zukünftiges Verhältnis zur Natur und der Rolle des Gartens ziehen?

Der diverse Garten - Welche Lebewesen gibt es bereits jetzt in dem Garten? Wie kann der Garten einen Beitrag zu Biodiversität und Krisenfestigkeit leisten? Sollten wir den Garten besser sich selbst überlassen?

Der soziale Garten - Welche Beziehungen gehen Garten, Haus und Dorf ein? Kann der Garten über das Haus hinaus einen Beitrag zur Verbesserung der Lebensbedingungen in seiner Umgebung leisten? An wen richtet sich der Garten und wer pflegt ihn?

Der produktive Garten - Welche Stoffkreisläufe spielen in dem Garten zukünftig eine Rolle? Kann der Garten einen Beitrag zur Versorgung des Hauses mit Energie, Wasser bis hin zu Nahrungsmitteln leisten?

Das Projekt wird als NEB.Regionallabor durch die Bauhaus-Universität Weimar gefördert und findet im Rahmen der Seminarreihe *Experimentelle Praxis Haus Bräutigam* statt, die wechselweise an unterschiedlichen Professuren der Fakultät Architektur und Urbanistik ausgerichtet wird; unterstützt wird es durch das MITMACH-Ding (mobiles Partizipationslabor der Bauhaus Universität Weimar). Im Wintersemester 2023/24 widmen wir verschiedenen disziplinären Sichtweisen den Garten. Auf eine detaillierte Untersuchung des vorhandenen Gartens folgen Austauschformate mit Expert*innen verschiedener Disziplinen. Anschließend werden zukunftsfähige Narrative für den Garten entwickelt, die in einem Dokumentations- und Kommunikationsmedium zusammengefasst werden. Das Seminar bildet damit die theoretische Grundlage für die Fortführung des Projekts im Sommersemester 2024, innerhalb dessen die praktische Transformation des Gartens im Vordergrund steht.

Bemerkung

Die Lehrveranstaltung richtet sich als Bauhaus.Modul an Studierende aller Studiengänge und Fakultäten. Voraussetzungen für die Teilnahme sind hohes Engagement sowie Interesse an interdisziplinären Zugängen und kooperativem Arbeiten am Studienstandort Weimar und in Schwarzburg. Die Teilnahme an dem Seminar im Wintersemester 2023/24 wird als Vorbereitung für die Teilnahme an dem Seminar im Sommersemester 2024 empfohlen, ist jedoch nicht Voraussetzung. Die Lehrveranstaltung wird durch Till Hoffmann, wissenschaftlicher Mitarbeiter an der Professur Entwerfen und Wohnungsbau, organisiert. Weitere beteiligte Lehrende sind Christine Dörner, wissenschaftliche Mitarbeiterin an der Professur Denkmalpflege und Baugeschichte, Dr. Maria Frölich-Kulik, wissenschaftliche Mitarbeiterin an der Professur Landschaftsarchitektur und -planung, Jessica Christoph, wissenschaftliche Mitarbeiterin an der Fakultät Architektur und Urbanistik und Ph.D. Hannah Kordes,

Projektkoordinatorin des mobilen Partizipationslabors MITMACH-Ding. Das Projekt wird in Kooperation mit Haus Bräutigam e.V. durchgeführt.

Zu Beginn des Wintersemesters wird eine Informationsveranstaltung zu dem Projekt stattfinden; Termin und Ort werden kurzfristig im Veranstaltungsverzeichnis und auf der Pinnwand Universität bekannt gegeben.

123223302 Bauhaus.Module: Applied AI Methods for Planning and Design

R. König

Veranst. SWS: 4

Seminar

Do, wöch., 15:15 - 16:45, Belvederer Allee 1a - Allg. Medienpool 003, 12.10.2023 - 01.02.2024

Beschreibung

This course serves as an introduction to the practical implementation of deep learning models, focusing on real-world issues. The syllabus includes the exploration of data analysis and visualization, and computer vision, with an emphasis on generative models such as stable diffusion and large language models like ChatGPT.

We encourage students to collaborate in interdisciplinary teams to generate ideas about how, when, and for whom different algorithms can address specific problems in various domains. The course advances through multiple stages of idea presentation and pitching, with the ultimate aim being the development of a preliminary prototype and a compelling pitch by the end of the course.

By the end of this course, students will:

- Gain a better understanding of AI and deep learning models and how they function;
- Develop the ability to build applications using these models;
- Improve critical understanding of data and models, including when to use and when not to use different classes of algorithms.

The course will commence with a presentation of various deep learning and AI models, including a range of example use-cases and critical reflections on their usage. This is designed to inspire students' idea generation on how advanced AI models can be used to solve problems in their specific domains.

Students will then work in groups to develop ideas and build prototypes. Through multiple pitch rounds, these ideas will be refined and discussed collectively. Tutors will provide practical implementation assistance. The final course outcome will be a well-prepared pitch and a minimum viable product (MVP) prototype or mock-up of their project.

This course is open to master students and senior bachelor students. It is recommended that participants possess basic coding knowledge (particularly Python), be comfortable with software usage, be adept at problem-solving, and have a proactive, hands-on approach.

1411526 Verkehrsplanung

U. Plank-Wiedenbeck, L. Kraaz, J. Uhlmann, T. Feddersen

Veranst. SWS: 2

Integrierte Vorlesung

Di, wöch., 15:15 - 16:45, Coudraystraße 13a, HS 2, 10.10.2023 - 30.01.2024

Di, Einzel, 15:15 - 16:45, Prüfung HS 2, 19.12.2023 - 19.12.2023

Beschreibung

Die Veranstaltung Methoden der Verkehrsplanung gibt einen Überblick über das Aufgabengebiet der Verkehrsplanung, wobei die umweltgerechte, nachhaltige Gestaltung im Fokus steht. Dazu werden die

grundlegenden Begrifflichkeiten, Mobilitätskenngrößen und verkehrsplanerischen Fragestellungen mit einem Schwerpunkt auf die methodische Vorgehensweise betrachtet. Mobilität als Zusammenhang zwischen Aktivitäten und Ortsveränderungen wird als Schnittstelle zwischen Stadt- und Verkehrsentwicklung thematisiert. Vorgestellt werden u.a. Instrumente der integrierten Verkehrsplanung (z. B. intermodale Konzepte, Parkraumbewirtschaftung etc.), Plangrundlagen (Nahverkehrspläne/ Radverkehrskonzepte etc.) und verkehrliche Erhebungsmethoden. Der Praxisbezug wird u.a. durch die Behandlung von Verkehrsentwicklungsplänen und Beispielen geplanter bzw. umgesetzter Vorhaben hergestellt.

Bemerkung

Die Einschreibung für den Beleg ist ausschließlich am Anfang des WiSe möglich! The registration for the project work is only possible in the beginning of the winter term!

Lehrformat WiSe2023/24 (Stand 02.08.2023): Präsenz

Studierende der Fak. A+U schreiben sich bitte innerhalb des Einschreibzeitraums für diesen Kurs ein. Studierende der Fak. B nutzen bitte die Prüfungsanmeldung für den Kurs "Verkehrsplanung: Teil Methoden der Verkehrsplanung". Bei Problemen und Fragen zur Einschreibung wenden Sie sich bitte an vsp@bauing.uni-weimar.de

Leistungsnachweis

Die Prüfungsleistung für das Teilmodul Methoden der Verkehrsplanung besteht aus einer schriftlichen Prüfung (60 Minuten, Termin im Dezember) und einem Beleg (Abgabe im Januar). Die Note der Klausur wird 75 % gewichtet, die Belegnote 25 %. Der Beleg wird ausschließlich im Wintersemester angeboten.

Der Beleg greift aktuelle Themen der Verkehrsplanung auf, welche in Gruppenarbeit (3 Personen pro Gruppe) für soziale Medien erarbeitet und aufbereitet werden sollen. Der Beleg soll dadurch Kompetenzen der modernen Wissenschaftskommunikation stärken und die thematische Vielfalt der Verkehrsplanung aufzeigen

1520020 Denkmalpflege und Heritage Management

D. Spiegel

Veranst. SWS: 2

Vorlesung

Di, wöch., 17:00 - 18:30, Marienstraße 13 C - Hörsaal B, 10.10.2023 - 30.01.2024

Mo, Einzel, 12:00 - 13:30, Steubenstraße 6, Haus F - Hörsaal K20, 12.02.2024 - 12.02.2024

Beschreibung

Die Vorlesung vermittelt eine für das Studium der Architektur spezifische Einführung in das komplexe Themenfeld der Denkmalpflege und vermittelt einen Überblick über Inhalte, Aufgaben, Methoden und Institutionen des Fachs. Mit der Vermittlung denkmaltheoretischen Grundlagenwissens dient sie der Kompetenzbildung innerhalb des in der Architekturausbildung immer wichtiger werdenden Bauens im Bestand. Ziel ist, ein Verständnis für das komplexe Zusammenspiel der unterschiedlichen Parameter zu erzeugen, die für das Bauen im Bestand relevant sind.

In der Vorlesung werden u.a. folgende Themen betrachtet: Geschichte der Denkmalpflege; Denkmalbegriffe und -werte; Gesetze und Institutionen, städtebauliche Denkmalpflege; denkmalpflegerische Methoden von der Befundanalyse und -dokumentation über Konservierung und Reparatur bis zur Umnutzung und Erweiterung; architektonische Interventionen im Denkmal; inter- und transnationale sowie interkulturelle Aspekte der Denkmalpflege. Darüber hinaus werden aktuelle Fragen, Debatten und Ansätze diskutiert.

Bemerkung

Informationen zur 1. Vorlesung finden Sie unter dem Hyperlink.

Leistungsnachweis

schriftliche Prüfung

1724415 Urban Sociology (Introduction)

Veranst. SWS: 2

Vorlesung

Mo, wöch., 17:00 - 18:30, Marienstraße 13 C - Hörsaal B, 09.10.2023 - 29.01.2024

Di, Einzel, 17:00 - 18:30, HS A, 13.02.2024 - 13.02.2024

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.

Bemerkung

Richtet sich an: EU, IPP/Urban Heritage, MediaArchitecture; IUDD, MA Urbanistik, MA Fine Arts/Public Space, MA Architektur (Erasmus)

Termine: montags, 11.00-12.30 Uhr

Erster Termin: 9.10.2023

Ort: Hörsaal D (?)

Dozent: Prof. Frank Eckardt

1744294 Model Project Forum/ Seminar**B. Nentwig, P. Schmidt**

Veranst. SWS: 4

Seminar

wöch., online

Beschreibung

In this module, the International Model Project Forum is prepared in different steps. The seminar's goal is to exchange about and learn from different projects in the field of urban practice where third semester students have been involved during their Model Project semester in the winter semester 2020/21. The seminar challenges students to contextualise the own individual practical work and research experience into a broader context of reflective urban practice and 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 approaches within their individual professional role. The seminar also prepares students to hold a lecture dedicated to the International Model Project Forum, which closes as a highlight of the academic training. For this public academic event International Model Project Partners are invited to the forum as senior experts and critiques to the student presentations.

Course structure and requirements The seminar mainly consist of three phases and is accompanied through a virtual class-room, including a guided course with specific due dates, individual and groupwise online-consultations,

life-meetings of the entire group and P2P-meetings as well as video-based presentation-coaching through Adobe Connect.

Course requirements include a final presentation, an interim report and a final report (25-30 pages) which is handed in online and as a printed version. After final rehearsals the module closes with the 21th International "Model Project Forum" (end of April 2021), requiring students attendance in Weimar or any selected place where the forum takes place. The forum fosters a critical but practice -related discussion among students and model project partners who are attending as guest critiques.

Learning Objectives

In this module students develop an in-depth understanding and exchange about professional fields dedicated to integrated urban development in an international context. Participants reflect the self-positioning and self-understanding of their professional role in the sense of 'Reflective Practice' related to urban strategies and interdisciplinary planning approaches. The final goal is to focus individual experiences about 'Good Practice' through adequate professional project-based training and praxis reflection.

engl. Beschreibung

In this module, the International **Model Project Forum** is prepared in different steps. The seminar's goal is to exchange about and learn from different projects in the field of urban practice where third semester students have been involved during their Model Project semester in the winter semester 2018/19. The seminar challenges students to contextualise the own individual practical work and research experience into a broader context of reflective urban practice and 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 approaches within their individual professional role. The seminar also prepares students to hold a lecture dedicated to the International Model Project Forum, which closes as a highlight of the academic training. For this public academic event International Model Project Partners are invited to the forum as senior experts and critiques to the student presentations.

Course structure and requirements

The seminar mainly consist of three phases and is accompanied through a virtual class-room, including a guided course with specific due dates, individual and groupwise online-consultations, life-meetings of the entire group and P2P-meetings as well as video-based presentation-coaching through Adobe Connect.

Course requirements include a final presentation, an interim report and a final report (25-30 pages) which is handed in online and as a printed version. After final rehearsals the module closes with the 19th International "Model Project Forum" (end of April 2019), requiring students attendance in Weimar or any selected place where the forum takes place. The forum fosters a critical but practice -related discussion among students and model project partners who are attending as guest critiques.

Learning Objectives

In this module students develop an in-depth understanding and exchange about professional fields dedicated to integrated urban development in an international context. Participants reflect the self-positioning and self-understanding of their professional role in the sense of 'Reflective Practice' related to urban strategies and interdisciplinary planning approaches. The final goal is to focus individual experiences about 'Good Practice' through adequate professional project-based training and praxis reflection.

Participation is mandatory for third semester students in Integrated Urban Development and Design – Reflective Urban Practice (IUDD-RUP).

Class based on continuous and active participation.

Bemerkung

Participation is mandatory for third semester students in Reflective Urban Practice.

Class based on continuous and active participation online.

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

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

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.

Advanced Urbanism

Reflective Urban Practice