

# **Vorlesungsverzeichnis**

English-taught courses of the Faculty

Winter 2021/22

Stand 23.05.2022

**English-taught courses of the Faculty**

**3**

## English-taught courses of the Faculty

### 118220205 Real Estate Development - Lecture

**B. Nentwig**

Veranst. SWS: 2

Vorlesung

Di, Einzel, 09:15 - 10:45, Geschwister-Scholl-Str.8A - Seminarraum 105, 19.10.2021 - 19.10.2021

Di, wöch., 09:15 - 10:45, Bauhausstraße 9c - Arbeitsraum 004, Refeective Urban Practice, 26.10.2021 - 23.11.2021

Di, wöch., 09:15 - 10:45, online, 30.11.2021 - 01.02.2022

#### 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**

Veranst. SWS: 2

Seminar

Di, Einzel, 11:00 - 12:30, Geschwister-Scholl-Str.8A - Seminarraum 105, 19.10.2021 - 19.10.2021

Di, wöch., 11:00 - 12:30, Bauhausstraße 9c - Arbeitsraum 004, 26.10.2021 - 23.11.2021

Di, wöch., 11:00 - 12:30, online, 30.11.2021 - 01.02.2022

#### 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.

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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.

### 118221205 Research in Urban Design and Urban Planning

**B. Schönig, S. Rudder, S. Langner**

Veranst. SWS: 2

Vorlesung

Mo, wöch., 15:15 - 16:45, Belvederer Allee 1a - Stud. Arbeitsraum 102, 11.10.2021 - 31.01.2022

### Beschreibung

The lecture focuses on recent debates in urban research deriving from the perspectives of urban planning, urban design and landscape planning and architecture. Starting from these debates, it discusses methodological questions applied in different fields and contexts of urban and planning research.

Due to Covid-19-related restrictions in participants per room, this course is open primarily to students enrolled in MSc European Urban Studies. Participants of all other eligible programs must get in touch via email with the chair of urban planning and can enroll only if room capacity allows.

### Bemerkung

*Prof. Dr.-Ing. Barbara Schöning (Urban Planning), Dr. Steffen de Rudder (Urban Design I), Prof. Dr.-Ing. Sigrun Langner (Landscape Architecture and Planning) | 2 SWS, 3 ECTS  
Mo. 15:15 - 16:45 | Start: 11.10.2021 | Room: tba*

## 121222401 Supernormal - An evidence-based design approach for the train station of Elmshorn

**S. Schneider, O. Kammler, E. Fuchkina, G. Bailey**

Veranst. SWS: 8

Projektmodul

Do, wöch., 09:15 - 16:45, Belvederer Allee 1a - Allg. Medienpool 003, 14.10.2021 - 03.02.2022

### Beschreibung

Buildings are made for humans. So, the design of buildings requires architects to anticipate how humans will experience and behave in the planned environment. However, this is not an easy task, due to the vast amount of influencing factors coming from the physical environment (such as geometry, light, color) and from the users themselves (different social backgrounds, abilities, expectations, age, etc.). This challenges the design of buildings and results in the fact that even architecturally remarkable buildings, are sometimes hard to understand for building users. We might ask, can't science support designers here?

The role of science in design can be seen in identifying regularities in natural phenomena that can be used in the definition of building parameters. Whereas physical sciences found their way into the design of buildings (such as structural and thermal behaviour), sciences dealing with human behaviour and emotions (e.g. environmental psychology) are widely lacking such an integration.

In this project we will try to bridge the gap between architectural design and environmental psychology. Therefore, we first will learn how to evaluate built environments in terms of human-centred aspects such as wayfinding, social interaction and spatial experience. Second we will develop a design strategy that anticipates the 'human-perspective' in the creation of spaces. As a case we will use the design of the new train station for the "supernormal" city of Elmshorn.

After your building designs are created, we will test them in a Virtual Reality simulation using Oculus Rift. Following a 'peer evaluation' (everyone is evaluating the designs of the others), by taking eye-level perspective of a potential building user, the critics and comments are used to revise the design.

The project is accompanied by two seminars: "Computational Methods for User-Centered Architectural Design" and "Parametric Building Information Modeling", which are mandatory for this project.

### engl. Beschreibung

Buildings are made for humans. So, the design of buildings requires architects to anticipate how humans will experience and behave in the planned environment. However, this is not an easy task, due to the vast amount of influencing factors coming from the physical environment (such as geometry, light, color) and from the users themselves (different social backgrounds, abilities, expectations, age, etc.). This challenges the design of buildings and results in the fact that even architecturally remarkable buildings, are sometimes hard to understand for building users. We might ask, can't science support designers here?

The role of science in design can be seen in identifying regularities in natural phenomena that can be used in the definition of building parameters. Whereas physical sciences found their way into the design of buildings (such as structural and thermal behaviour), sciences dealing with human behaviour and emotions (e.g. environmental psychology) are still lacking such an integration.

In this project we will try to bridge the gap between architectural design and environmental psychology. Therefore, we first will learn how to evaluate built environments in terms of human-centred aspects such as wayfinding, social interaction and spatial experience. Second we will develop a design strategy that anticipates the 'human-perspective' in the creation of spaces. As a case we will use the design of a "Center for Academic Exchange", a multi-functional building for lectures, seminars, conferences, living and working, requiring a careful consideration of different user groups (scientists, students, visitors) and their interactions.

After your building designs are created, we will test them in a Virtual Reality simulation using Oculus Rift. Following a 'peer evaluation' (everyone is evaluating the designs of the others), by taking eye-level perspective of a potential building user, the critics and comments are used to revise the design.

The project is accompanied by the two seminars "Computational Methods for User-Centered Architectural Design" and "Parametric Building Information Modeling", which are mandatory for this project.

### 118222403 Parametric Building Information Modeling

**O. Kammler, S. Schneider**

Veranst. SWS: 2

Seminar

Di, wöch., 09:15 - 10:45, Belvederer Allee 1a - Allg. Medienpool 003, 12.10.2021 - 01.02.2022

#### Beschreibung

Beim Entwurf von Gebäuden müssen zahlreiche Elemente (wie z.B. Gebäudeform, Räume, Öffnungen, Erschließungsform, Konstruktion) definiert und sorgfältig aufeinander abgestimmt werden. Building Information Modeling (BIM) unterstützt diesen Prozess, indem es Gebäudeelemente vorhält, die schnell platziert und verändert werden können. Aufgrund der Vielzahl der Elemente, aus denen ein Gebäude besteht, gestaltet sich dieser Prozess jedoch oft als zeitaufwendig und unflexibel bei Änderungen im Entwurf. Indem Regeln definiert werden, die beschreiben wie Elemente zueinander in Beziehung stehen sollen (Parametrisierung), können Modelle erzeugt werden, die sich automatisch an bestimmte Parameter (z.B. Gebäudehöhe, Gebäudebreite, Anzahl der Räume) anpassen.

Im Seminar werden wir die Möglichkeiten der Parametrisierung von Gebäudeinformationsmodellen untersuchen. Die verwendete Software ist Revit und PlugIn Dynamo.

Für Studierende im Projektmodul „Design by Research“ ist dieser Kurs verpflichtend.

#### engl. Beschreibung

When designing buildings, numerous elements (e.g. building shape, rooms, openings, circulation, construction) must be defined and carefully attuned. Building Information Modeling (BIM) supports this process by providing building elements that can be easily placed and modified. However, due to the large number of elements that make up a building, this process is often time-consuming and inflexible when changes are made to the design. By defining rules that describe how elements should relate to each other (parameterization), models can be generated that automatically adapt to certain parameters (e.g. building height, building width, number of rooms).

In this seminar we will examine the possibilities of parameterization of building information models. The software used is Revit and PlugIn Dynamo. For students in the project module "Design by Research" this course is obligatory.

### 118222404 Computational Methods for User-Centered Architectural Design

**S. Schneider, E. Fuchkina**

Veranst. SWS: 2

Seminar

Di, wöch., 11:00 - 12:30, Belvederer Allee 1a - Allg. Medienpool 003, 19.10.2021 - 01.02.2022

### **Beschreibung**

The creation of spaces lies at the heart of architectural design. To understand how people are affected by the configuration of space, is essential in order to create human-friendly, and thus in the long run, sustainable environments. In this course you will learn different methods for evaluating the 'usability' of buildings. Therefore, we will firstly look at, what 'building usability' actually means and how it can be enhanced (e.g. how does a spatial configuration promote wayfinding, social interaction, spatial experience). Secondly, you will learn computational methods for quantifying spatial configurations for evaluating design proposals (e.g. visibility, accessibility and daylight). Thirdly, we will introduce a VR-based toolbox for conducting pre-occupancy evaluations of building designs.

The seminar is mandatory for students of the project „Design by Research“.

### **engl. Beschreibung**

The creation of spaces lies at the heart of architectural design. To understand how people are affected by the configuration of space, is essential in order to create human-friendly, and thus in the long run, sustainable environments. In this course you will learn different methods for evaluating the 'usability' of buildings. Therefore we will firstly look at, what 'building usability' actually means and how it can be enhanced (e.g. how does a spatial configuration promote wayfinding, social interaction, spatial experience). Secondly, you will learn computational methods for quantifying spatial configurations for evaluating design proposals (e.g. visibility, accessibility and daylight). Thirdly, we will introduce a VR-based toolbox for conducting pre-occupancy evaluations of building designs.

The seminar is mandatory for students of the project „Design by Research“.

### **Voraussetzungen**

Studiengänge: Master Architektur, Master MediaArchitecture

## **118223502 Research Methods I**

**L. Vollmer**

Veranst. SWS: 2

Übung

Di, wöch., 15:00 - 16:30, Belvederer Allee 5 - Seminarraum 007, 12.10.2021 - 01.02.2022

### **Beschreibung**

This course introduces students to the world of urban studies, scientific research and practice. The course teaches what constitutes urban studies and about current debates in urban studies. The course engages with how to research the urban from an interdisciplinary perspective. The course introduces fundamental understandings of social research, as well as the 'nuts and bolts' of proper academic work. Students will learn how to develop an own research interest, how to formulate a research question, how to design research and how to collect data. Students will apply this knowledge in writing a research proposal as the basis for their research project in the third semester.

### **engl. Beschreibung**

The exercise seminar will deepen knowledge about the process of the production of scientific knowledge, basic 'rules' of scientific work and proceedings of academic research such as different methods in urban studies. Students will be enabled to formulate an own research interest and research topic. They will define their 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.

The seminar is based on exercises and the active involvement of students, who will shape the content according to their research interests and required methods.

## 118223501 Academic Skills

**N. Baron**

Veranst. SWS: 2

Übung

Di, wöch., 13:30 - 15:00, Bauhausstraße 9c - Arbeitsraum 004, 12.10.2021 - 01.02.2022

### Beschreibung

In this seminar, we 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.

## 118223704 Moderating Planning Processes

**T. Dobberstein**

Veranst. SWS: 2

Blockveranstaltung

Do, Einzel, 09:15 - 15:00, Bauhausstraße 9c - Arbeitsraum 004, 28.10.2021 - 28.10.2021

Block, 09:15 - 15:00, Bauhausstraße 9c - Arbeitsraum 004, 18.11.2021 - 19.11.2021

Do, Einzel, 09:15 - 15:00, Bauhausstraße 9c - Arbeitsraum 004, 09.12.2021 - 09.12.2021

### 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.

### Bemerkung

Start: 12.10.2015

weitere Termine: 09.11.2015, 07.12.2015, 18.01.2016

## 118223703 Introduction to Study Project

**R. König**

Veranst. SWS: 2

Seminar

Do, Einzel, 09:15 - 10:45, Bauhausstraße 9c - Arbeitsraum 004, 14.10.2021 - 14.10.2021

### Beschreibung

The seminar serves as preparation for the Study Project semester in spring/summer 2021. Besides an introduction to the 'Model Projects Reflective Urban Studies', students will learn to present their personal portfolios for the prospective study project partners at an early stage in the semester. This also consist of individual presentations. The first semester students (only Reflective Urban Practice) 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 IUDD students and will be credited as part of the Model Projects. The seminar takes place in presence partly.

### engl. Beschreibung

The seminar serves as preparation for the Study Project semester in spring/summer 2019. Besides an introduction to the 'Study Projects Reflective Urban Studies', students will learn to present their personal portfolios for the prospective study project partners at an early stage in the semester. This also consist of individual presentations. The first semester students (only Reflective Urban Practice) 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 study projects.

Participation is obligatory and only for IUDD students and will be credited as part of the Study Projects

## 121223701 IUDD Lectures

**B. Nentwig, N.N., P. Schmidt**

Veranst. SWS: 2

Vorlesung

Di, wöch., 15:15 - 16:45, Steubenstraße 6, Haus F - Hörsaal K20, 12.10.2021 - 01.02.2022

## 117110801 Öffentliche Bauten (Ba)

**K. Schmitz**

Veranst. SWS: 2

Vorlesung

Do, wöch., 09:15 - 10:45, 28.10.2021 - 03.02.2022

### Beschreibung

Diese Vorlesungen sind der Versuch zu verstehen, wie Gebäude und Stadtpläne die Ideen der Gesellschaften widerspiegeln, die sie gebaut haben. Sie untersuchen die Entwicklung öffentlicher Gebäude von der Antike bis zur Gegenwart, „nicht so sehr aus Interesse für die Vergangenheit“, wie Isaiah Berlin es formuliert, „sondern um erste Ursachen ausfindig zu machen, um zu verstehen wie und warum die Dinge so und nicht anders entstanden sind.“

Diese Geschichte wird aus der Sicht eines Architekten erzählt, und es wird vor allem eine Geschichte des architektonischen Raumes sein. Es wird keine geradlinige Geschichte sein können, denn die Baukunst hat ihre eigenen Formen der Entwicklung, und diese ist nicht immer geradlinig und zielbewusst. Es sind hauptsächlich die Umbrüche, die hier besprochen und interpretiert werden. In dieser Geschichte geht es neben der baukünstlerischen Entwicklung auch um die Bestimmung von öffentlichen Bauten, weniger um die Funktion. Auf die Frage nach der Bestimmung von öffentlichen Bauten bekommen wir die interessanteren Antworten, da wir einiges über die Beweggründe der Gesellschaft erfahren können, für die diese Bauten entworfen und gebaut wurden. Die Geschichte der Funktion ist eine Geschichte der zunehmenden Ausdifferenzierung. Die Geschichte hat gezeigt, dass programmatische Ideen und räumliche Vorstellungen innerhalb ihrer Zeit korrespondieren, dass aber die Form nicht immer der Funktion folgt. Die These, dass sich architektonischer Raum und Form hauptsächlich aus der Funktion entwickelt, ist irreführend. Entscheidend für das Verständnis öffentlicher Bauten und öffentlicher Räume ist nicht so sehr die detaillierte Kenntnis der Funktion, sondern vielmehr das Verständnis der kulturellen und politischen Bestimmung, die diese Bauten zu erfüllen hatten.



Die Vorlesungsreihe beschäftigt sich in diesem Semester mit Bibliotheksbauten und Museumsbauten. Die Vorlesungen werden nur auf Deutsch verfügbar sein. Der Kurs schließt mit einer Prüfung ab.

### Bemerkung

In diesem Semester können sich 60 Studierende zur Prüfung anmelden. Die Prüfungsleistung wird bekannt gegeben, sobald feststeht, wie viele Studierende sich angemeldet haben.

Der Link zur ersten Vorlesung wird den Teilnehmern am Donnerstag, den 28. Oktober 2021 per E-Mail zugeschickt.

### Voraussetzungen

Der Link zur ersten Vorlesung wird den Teilnehmern am Donnerstag, den 8. April 2021 per E-Mail zugeschickt.

### Leistungsnachweis

In diesem Semester können sich 60 Studierende zur Prüfung anmelden. Die Prüfungsleistung wird bekannt gegeben, sobald feststeht, wie viele Studierende sich angemeldet haben.

## 118222806 Introduction to European Cities

### D. Zupan

Veranst. SWS: 2

Seminar

Mi, gerade Wo, 09:15 - 12:30, Belvederer Allee 1a - Stud. Arbeitsraum 202, 20.10.2021 - 15.12.2021

Mi, gerade Wo, 09:15 - 12:30, Belvederer Allee 1a - Stud. Arbeitsraum 202, 12.01.2022 - 26.01.2022

### 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.

### Leistungsnachweis

course attendance certificate

## 118223701 Chinese Culture and Society in the Perspective of Urban Development and Architecture

### E. Kögel

Veranst. SWS: 2

Seminar

Mo, Einzel, 09:15 - 12:30, Bauhausstraße 9c - Arbeitsraum 004, 01.11.2021 - 01.11.2021

Fr, Einzel, 09:15 - 12:30, Bauhausstraße 9c - Arbeitsraum 004, 26.11.2021 - 26.11.2021

Mo, Einzel, 09:15 - 12:30, Bauhausstraße 9c - Arbeitsraum 004, 29.11.2021 - 29.11.2021

Mo, Einzel, 09:15 - 12:30, Bauhausstraße 9c - Arbeitsraum 004, 13.12.2021 - 13.12.2021

### Beschreibung

Over the last 40 years, society and cities in the People's Republic of China have changed dramatically. At the beginning of the 1980s China was still considered a developing country, but today it is one of the world powers whose voice is clearly audible in many parts of the world. Urban and cultural development in the context of architecture and planning show the possibilities and dreams of a society. In the case of China, the realities and constraints of a mass society, which must find its way between individualisation and equality, are also reflected in design, which in turn has an impact on social and political developments. So what does design look like that has to find a way between these poles that takes into account the different conditions in the metropolis and the hinterland?

The seminar provides background information, discusses scenarios and draws a picture of future challenges. But it also asks what can be learned and under what conditions solutions can be exported from China.

### 118223705 Reflective Urban Practice: Model Project Preparatory Course

**P. Schmidt**

Veranst. SWS: 2

Seminar

Mi, wöch., 09:15 - 10:45, Bauhausstraße 9c - Arbeitsraum 004, 13.10.2021 - 02.02.2022

#### 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

start: 12.10.2018

registration: through BISON online platform

### 119223301 Computational Design Methods (CDM)

**R. König**

Veranst. SWS: 4

Seminar

Mi, wöch., 13:30 - 15:00, 13.10.2021 - 26.01.2022

#### Beschreibung

In diesem Seminar werden verschiedene Grundlagen computerbasierter Entwurfsmethoden und deren Anwendung vermittelt. Diese umfassen (i) die Grundlagen der Programmierung, (ii) räumliche Analysemethoden, (iii) Einführung in BIM, (iv) Einführung in VR/AR mittels Unity, (v) neue Webtechnologien zur Visualisierung eigener Daten.

**Bemerkung**

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

### 119223303 Urban Modeling and Simulation (UMS) - Introduction

**R. König**

Veranst. SWS: 2

Seminar

Mi, wöch., 11:00 - 12:30, Belvederer Allee 1a - Allg. Medienpool 003, 13.10.2021 - 17.11.2021

Mi, wöch., 11:00 - 12:30, online, 24.11.2021 - 02.02.2022

**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.

**Bemerkung**

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

### 119223901 European Cities

**D. Zupan**

Veranst. SWS: 2

Vorlesung

Di, wöch., 17:00 - 18:30, Coudraystraße 9 A - Hörsaal 6, 19.10.2021 - 01.02.2022

Di, Einzel, 17:00 - 18:30, Coudraystraße 9 A - Hörsaal 6, 25.01.2022 - 25.01.2022

Di, Einzel, 17:00 - 18:30, Prüfung digital, 22.02.2022 - 22.02.2022

**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.

**Leistungsnachweis**

Written Test / Grade

## 120220601 Green Dreams of Suburbia: Climate Change, Sustainability, the COVID-19 pandemic and Urban Form

**B. Stratmann**

Veranst. SWS: 2

Seminar

Mi, wöch., 13:30 - 15:00, online, 13.10.2021 - 02.02.2022

### Beschreibung

#### Green Dreams of Suburbia: Climate Change, Sustainability, the COVID-19 pandemic and Urban Form

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 (COVID-19) pandemic 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?

singemäßiger deutscher Titel: Wohnen im Grünen: Klimawandel, Nachhaltigkeit, die COVID-19-Pandemie und städtische Siedlungsstruktur

Suburbanisierung ist zu einem globalen Trend in der Stadtentwicklung geworden. Angesichts des drohenden Klimawandels, zur Neige gehender Erdölreserven und gleichzeitig noch ansteigendem globalen Energieverbrauch stellt sich jedoch die Frage, ob suburbane Räume mit dem Ziel nachhaltiger Stadtentwicklung vereinbar sind. In dem Seminar wird der Diskussion um Nachhaltigkeit und Stadtstruktur nachgegangen, denn aktuell liegen neue Erkenntnisse zu dieser Thematik vor, die auch Architekten und Städtebauern neue Betätigungsfelder eröffnen. Die aktuelle Corona-Krise wie auch zukünftige Pandemie-Risiken werfen die Fragen auf, ob eine weitere Ballung von Bevölkerungen in ohnehin schon dichten Metropolen sinnvoll ist, ob Strategien der Nachverdichtung nicht (enge) Grenzen zu setzen sind und ob dezentralere Siedlungsstrukturen und geringere urbane Dichte tatsächlich eine Schutzwirkung haben.

### engl. 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.

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### Voraussetzungen

Good English language skills, both written and spoken. Gute englische Sprachkenntnisse in Wort und Schrift

<https://moodle.uni-weimar.de/course/view.php?id=36550>

## 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. - Die Prüfung erfolgt in Form eines Referates mit schriftlicher Ausarbeitung, die gegen Ende des Semesters eingereicht wird. Bei Testat bleibt die angefertigte Arbeit unbenotet.

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

**K. Eckert**

Veranst. SWS: 2

Seminar

Do, wöch., 09:15 - 15:00, Bauhausstraße 9c - Arbeitsraum 004, 14.10.2021 - 21.10.2021

Do, wöch., 09:15 - 15:00, Bauhausstraße 9c - Arbeitsraum 004, 04.11.2021 - 11.11.2021

Do, wöch., 09:15 - 15:00, Bauhausstraße 9c - Arbeitsraum 004, 25.11.2021 - 02.12.2021

Do, Einzel, 09:15 - 15:00, Bauhausstraße 9c - Arbeitsraum 004, 16.12.2021 - 16.12.2021

Do, dreiwöch., 09:15 - 15:00, Bauhausstraße 9c - Arbeitsraum 004, 06.01.2022 - 20.01.2022

## 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.

### 121210103 POSITIONEN

**A. Abel**

Veranst. SWS: 2

Vorlesung

Mi, wöch., 18:00 - 19:30, 03.11.2021 - 15.12.2021

## Beschreibung

### POSITIONEN – Healing Architecture

Online-Vortrags-/Vorlesungsreihe

Best Practice Gesundheitsbau

Wintersemester 2021

Gesundheit, Glück und Wohlbefinden sind wesentliche Faktoren, die die Qualität unseres Lebens ausmachen. Dabei sind sie von ihrem Begriffsinhalt her so verwandt miteinander, dass sie teilweise synonym gebraucht werden. Die WHO beispielsweise definiert Gesundheit in ihrer Gründungscharta von 1948 als „Zustand des vollständigen körperlichen, geistigen und sozialen Wohlergehens und nicht nur das Fehlen von Krankheit oder Gebrechen.“<sup>[1]</sup>

Die Begriffe Gesundheit und Krankheit beschreiben demnach keine Gegensätze auf einem Kontinuum, sondern eigenständige Bedeutungsfelder, die aber selbstverständlich in komplexem mehrdimensionalen Zusammenhang miteinander stehen. Auch deshalb ist die Relevanz von Gesundheit wohl nirgends so deutlich zu erkennen und zu belegen wie im Kontext von Krankheit.

Best Practice Gestaltungsbeispiele für erkrankte Menschen zeigen daher besonders nachdrücklich das Potential von Architektur für die menschliche Gesundheit – auch über die Heilung oder Behandlung von Erkrankungen hinaus – als Lebensqualität für alle.

In der Vorlesungsreihe **POSITIONEN Healing Architecture** stellen eine Reihe von Architekt\*innen eigene Praxisbeispiel und Ansätze vor, von der pädiatrischen Onkologie bis hin zu Wohnformen im Zusammenhang mit Alzheimer Erkrankungen, vom Klinikgebäude, über Wohngruppen bis hin zu Gebäuden, die sowohl die Klinik, als auch die vorhandene medizinische und therapeutische Versorgung ergänzen wie bei den Maggie's Centres.

Anspruch der Vorlesungsreihe ist dabei ein weiter offener Blick auf möglichst alle relevanten Faktoren, leitmotivischer Fokus aber sind die Faktoren Farbe, Licht und Atmosphäre.

Jeder Vortrag besteht aus einer Präsentation der Architekt\*innen und aus einer moderierten Diskussion.

*Health, happiness and well-being are the fundamental factors making up our quality of life. Yet their connotations are so closely related that they are sometimes used interchangeably. In the WHO's 1948 foundation charter, for example, health is defined as "a state of complete physical, mental and social well-being and not merely the absence of disease or infirmity."*<sup>[2]</sup>

*Thus, health and illness are not opposites on a linear continuum, but independent semantic fields which bear a complex and multidimensional relationship to each other. And therefore, the relevance of health can surely not be observed and verified more clearly anywhere else but in the context of illness.*

*Best practice examples of buildings for the sick and the injured hence show the potential of architecture for human health – beyond just the healing or treatment of illnesses – as the quality of life itself.*

*The lecture series **Healing Architecture** presents a series of designs and approaches by an array of architectures and architects: ranging from pediatric oncology to living in a context of Alzheimer's disease, from medical centers to residential groups to buildings which complement the existing medical and therapeutic care, like the Maggie's Centres.*

*The series aims for a broad, open view on as many relevant factors as possible, but color, light and atmosphere will be our main focus.*

*Each lecture will consist of a presentation by the architects and a moderated discussion.*

## **Position 1**

### **Architects of Happiness.**

**Thomas Bo#gl LIAG Architekten** Den Haag NL

Prinses Ma#xima Centrum Utrecht NL

Mittwoch, 3. November 2021 – 18 – 19.30 Uhr

## **Position 2**

**Jason Danziger thinkbuild architecture** Berlin D

Soteria Berlin St. Hedwig Krankenhaus Berlin D

Mittwoch, 10. November 2021 – 18 – 19.30 Uhr

## **Position 3**

### **Touching architecture.**

**Andrea Mo#hn Architects** Rotterdam NL

Daycare centre Felloord Delft NL

Mittwoch, 17. November 2021 – 18 – 19.30 Uhr

**Position 4**

**Spatial quality.**

**Peter Defesche *Defesche Van den Putte*** architecture and urbanism Amsterdam NL

Emma Children's Hospital Amsterdam NL

Mittwoch, 24. November 2021 – 18 – 19.30 Uhr

**Position 5**

**Architecture that cares.**

**Morten Rask Gregersen *NORD Architects A/S*** Copenhagen NV DK

Alzheimer Village in France

Mittwoch, 1. Dezember 2021 - 18 – 19.30 Uhr

**Position 6**

**Orte der Heilung – Eine Projekttrundreise.**

**Petra Wörner *wo#rner traxler richter*** Frankfurt Dresden Mu#nchen D Basel CH

Universitätsklinikum Aachen Sanierung und Neustrukturierung des Pflegebereichs

Mittwoch, 8. Dezember 2021 – 18 – 19.30 Uhr

**Position 7**

**The Architecture of Health.**

1. **dRMM** London UK

Maggie's Oldham, Royal Oldham Hospital UK

Mittwoch, 15. Dezember 2021 – 18 – 19.30 Uhr

Format:

Digital und als Aufzeichnung verfügbar

3 Leistungspunkte, Abgabeleistung – ein Essay, das sich mit einem der Vorträge auseinandersetzt

Die Vorlesungen werden in Deutsch oder Englisch gehalten.

Digital as well as recorded

3 ECTS, assignment – an essay, on the subject of one of the lectures

Lectures will be held in German or English.

Veranstaltet von

Organised by

Dr. Alexandra Abel, Architekturspsychologin für die Professur Bauformenlehre (Prof. Bernd Rudolf) Bauhaus-Universität Weimar

Und

Prof. Dr. Axel Buether für die Universität Wuppertal

[1] World Health Organization (2014): *Verfassung der Weltgesundheitsorganisation* (Übersetzung), World Health Organization, New York, S. 1. Online unter: [www.admin.ch/opc/de/classified-compilation/19460131/201405080000/0.810.1.pdf](http://www.admin.ch/opc/de/classified-compilation/19460131/201405080000/0.810.1.pdf). Abgerufen am: 26.05.2019.

[2] World Health Organization: *Constitution*. Online unter: <https://www.who.int/about/governance/constitution>. Abgerufen am: 12.08.2021.

### 121213001 In Search of a Pattern That Connects: Gregory Batesons ecological aesthetics and designing within a more than human world (Ba)

L. Link, D. Perera

Veranst. SWS: 2

Seminar

Mo, wöch., 11:00 - 12:30, Belvederer Allee 1a - Stud. Arbeitsraum 102, 18.10.2021 - 31.01.2022

#### Beschreibung

"What pattern connects the crab to the lobster and the orchid to the primrose and all of them to me? And me to you? And all six of us to the amoeba in one direction and to the back-ward schizophrenic in another?" (Bateson, 1978) What pattern connects this question to you, me, and us as we work in times of ecological crisis, a time of many proposals such as Green New Deals and a call for a New Bauhaus?

If you are curious about these questions, join us this semester as we embark on a semester-long exploration of the pattern that connects as it appears within the work of Gregory Bateson. The pattern that connects is another term for how Bateson came to redefine 'aesthetics' to encompass the complexity of a more than human world. Bateson was critical of the 1960-70s discourses on 'patterns' emerging across disciplines from information sciences to the design sciences, which used the notion of a 'pattern language' in a technocratic manner to make the environment more manageable. He reframed 'patterns' within a more ecological, aesthetic, and spiritual discussion that acknowledged the systemic complexity of living systems that environmental management models could not fully capture. Bateson pointed out the wrong ways in which design sciences used the notion of the survival of the fittest that sets a competitive relationship between the organism vs. environment, suggesting that the unit of survival was the 'relation' between the organism and environment. He sought to address the complexity of this unity by placing the questions of aesthetics in a 'communicational order,' in contrast to his predecessors of the western world, who framed aesthetics as a quality primarily dependent upon the perceiving human subject. By framing aesthetics as a form of meta-communication, ecological aesthetics denotes a participatory process between the human and non-human systems (animals, institutions, technological) that characterize the living world. He reconfigured how participation, power, system, learning, and flexibility can be reframed as part of a design discussion and an ecological discussion. In this seminar, we will review the critical texts related to Bateson's concept of ecological aesthetics and engage in conversations with Guest researchers ( Dr. Jon Goodbun, Dr. Ben Sweeting, Dr. Marie Davidova) who have extended these ideas to their respective practices in design politics, ethics, and design material prototyping. In particular, we will entertain the possibility of how a better understanding of 'Batesonian aesthetics' can provide an alternative framework for articulating a better design approach towards a more than human world and reframe this concept in ways that are accessible to other designers and stakeholders of the design process.

#### Bemerkung

Course Format

1 Film screening (in presence) + 3 guest lectures( Virtual/open to public) + 3 reading sessions (in presence) + 3 individual consultations for project

#### Leistungsnachweis

Final submission (Output):

Based on the readings, discussions, and guest presentations, the participants are encouraged to unpack what Batesonian 'ecological aesthetics' and its ethical, social, political implications can mean in designing within the



current ecological crisis via a creative response. The creative response should be presented via a video of a maximum of 10 min, which can take the form of recording a story, a poem, an artwork, a record of a personal building project, or a manifesto developed with the semester. The objective is to make the notion of 'ecological aesthetics' more accessible to a broader audience.

The project videos and lecture discussions would be edited and compiled as a playlist and would be made available to the greater public.

If you are interested in taking part in the course and have questions, contact [dulmini.perera@uni-weimar.de](mailto:dulmini.perera@uni-weimar.de)

## 121214001 Ethnographic methods for spatial studies (Ba)

**E. Vittu**

Veranst. SWS: 2

Seminar

Do, Einzel, 11:00 - 12:00, online via BBB, 21.10.2021 - 21.10.2021

Do, Einzel, 11:00 - 16:00, Geschwister-Scholl-Str.8A - Oberlichtsaal 213, 28.10.2021 - 28.10.2021

Block, 11:00 - 16:00, Belvederer Allee 5 - Seminarraum 005, 13.01.2022 - 14.01.2022

### Beschreibung

Ethnographic methods are a way to engage with the complexity of socio-spatial phenomena by focusing on the perspectives and practices of those who are involved in them. With this course we want to provide students of various disciplines a platform to exercise different methods in the field and thereby immerse themselves in urban processes. Throughout the semester, small groups will explore different methods (such as interviewing and participant observation), and present their findings in the class. The aim is to facilitate learning by doing, supported by input and consultations. As a seminar group, we will reflect upon our experiences, and discuss the intersection between ethnography and spatial disciplines such as urban planning together with guest lecturers.

Organisational:

The class takes place as a block seminar (28.10.2021, 13.-14.01.2022) in presence. Guest lectures and consultations will be held digitally and scheduled on Thursdays during the semester.

### Bemerkung

1. Application: between 1. -15. October with a short email to [charlotte.elisabeth.ulrike.waitz.von.eschen@uni-weimar.de](mailto:charlotte.elisabeth.ulrike.waitz.von.eschen@uni-weimar.de)
2. Digital info-meeting: 11 - 12 am on the 21. October for everyone who is interested and applied with an email (on BigBlueButton).
3. Based on the info-meeting, everyone can confirm if they want to participate or not. From this group, 12 people will be admitted to the course.
4. The first seminar-block will take place in presence at 11 am - 4pm on the 28. October.

## 121220101 POSITIONEN - Healing Architecture

**A. Abel**

Veranst. SWS: 2

Vorlesung

Mi, wöch., 18:00 - 19:30, 03.11.2021 - 15.12.2021

### Beschreibung

#### POSITIONEN – Healing Architecture

## Online-Vortrags-/Vorlesungsreihe

### Best Practice Gesundheitsbau

Wintersemester 2021

Gesundheit, Glück und Wohlbefinden sind wesentliche Faktoren, die die Qualität unseres Lebens ausmachen. Dabei sind sie von ihrem Begriffsinhalt her so verwandt miteinander, dass sie teilweise synonym gebraucht werden. Die WHO beispielsweise definiert Gesundheit in ihrer Gründungscharta von 1948 als „Zustand des vollständigen körperlichen, geistigen und sozialen Wohlergehens und nicht nur das Fehlen von Krankheit oder Gebrechen.“<sup>[1]</sup>

Die Begriffe Gesundheit und Krankheit beschreiben demnach keine Gegensätze auf einem Kontinuum, sondern eigenständige Bedeutungsfelder, die aber selbstverständlich in komplexem mehrdimensionalen Zusammenhang miteinander stehen. Auch deshalb ist die Relevanz von Gesundheit wohl nirgends so deutlich zu erkennen und zu belegen wie im Kontext von Krankheit.

Best Practice Gestaltungsbeispiele für erkrankte Menschen zeigen daher besonders nachdrücklich das Potential von Architektur für die menschliche Gesundheit – auch über die Heilung oder Behandlung von Erkrankungen hinaus – als Lebensqualität für alle.

In der Vorlesungsreihe **POSITIONEN Healing Architecture** stellen eine Reihe von Architekt\*innen eigene Praxisbeispiele und Ansätze vor, von der pädiatrischen Onkologie bis hin zu Wohnformen im Zusammenhang mit Alzheimer Erkrankungen, vom Klinikgebäude, über Wohngruppen bis hin zu Gebäuden, die sowohl die Klinik, als auch die vorhandene medizinische und therapeutische Versorgung ergänzen wie bei den Maggie's Centres.

Anspruch der Vorlesungsreihe ist dabei ein weiter offener Blick auf möglichst alle relevanten Faktoren, leitmotivischer Fokus aber sind die Faktoren Farbe, Licht und Atmosphäre.

Jeder Vortrag besteht aus einer Präsentation der Architekt\*innen und aus einer moderierten Diskussion.

*Health, happiness and well-being are the fundamental factors making up our quality of life. Yet their connotations are so closely related that they are sometimes used interchangeably. In the WHO's 1948 foundation charter, for example, health is defined as "a state of complete physical, mental and social well-being and not merely the absence of disease or infirmity."*<sup>[2]</sup>

*Thus, health and illness are not opposites on a linear continuum, but independent semantic fields which bear a complex and multidimensional relationship to each other. And therefore, the relevance of health can surely not be observed and verified more clearly anywhere else but in the context of illness.*

*Best practice examples of buildings for the sick and the injured hence show the potential of architecture for human health – beyond just the healing or treatment of illnesses – as the quality of life itself.*

*The lecture series **Healing Architecture** presents a series of designs and approaches by an array of architects and architects: ranging from pediatric oncology to living in a context of Alzheimer's disease, from medical centers to residential groups to buildings which complement the existing medical and therapeutic care, like the Maggie's Centres.*

*The series aims for a broad, open view on as many relevant factors as possible, but color, light and atmosphere will be our main focus.*

*Each lecture will consist of a presentation by the architects and a moderated discussion.*

#### Position 1

##### Architects of Happiness.

**Thomas Bo#gl LIAG Architekten** Den Haag NL

Prinses Ma#xima Centrum Utrecht NL

Mittwoch, 3. November 2021 – 18 – 19.30 Uhr

#### Position 2

**Jason Danziger *thinkbuild architecture*** Berlin D

Soteria Berlin St. Hedwig Krankenhaus Berlin D

Mittwoch, 10. November 2021 – 18 – 19.30 Uhr

**Position 3**

**Touching architecture.**

**Andrea Mo#hn *Architects*** Rotterdam NL

Daycare centre Felseoord Delft NL

Mittwoch, 17. November 2021 – 18 – 19.30 Uhr

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**Spatial quality.**

**Peter Defesche *Defesche Van den Putte*** architecture and urbanism Amsterdam NL

Emma Children's Hospital Amsterdam NL

Mittwoch, 24. November 2021 – 18 – 19.30 Uhr

**Position 5**

**Architecture that cares.**

**Morten Rask Gregersen *NORD Architects A/S*** Copenhagen NV DK

Alzheimer Village in France

Mittwoch, 1. Dezember 2021 - 18 – 19.30 Uhr

**Position 6**

**Orte der Heilung – Eine Projektrundreise.**

**Petra Wörner *wo#rner traxler richter*** Frankfurt Dresden Mu#nchen D Basel CH

Universitätsklinikum Aachen Sanierung und Neustrukturierung des Pflegebereichs

Mittwoch, 8. Dezember 2021 – 18 – 19.30 Uhr

**Position 7**

**The Architecture of Health.**

1. **dRMM** London UK

Maggie's Oldham, Royal Oldham Hospital UK

Mittwoch, 15. Dezember 2021 – 18 – 19.30 Uhr

Format:

Digital und als Aufzeichnung verfügbar

3 Leistungspunkte, Abgabeleistung – ein Essay, das sich mit einem der Vorträge auseinandersetzt

Die Vorlesungen werden in Deutsch oder Englisch gehalten.

Digital as well as recorded

3 ECTS, assignment – an essay, on the subject of one of the lectures

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[1] World Health Organization (2014): *Verfassung der Weltgesundheitsorganisation* (Übersetzung), World Health Organization, New York, S. 1. Online unter: [www.admin.ch/opc/de/classified-compilation/19460131/201405080000/0.810.1.pdf](http://www.admin.ch/opc/de/classified-compilation/19460131/201405080000/0.810.1.pdf). Abgerufen am: 26.05.2019.

[2] World Health Organization: *Constitution*. Online unter: <https://www.who.int/about/governance/constitution>. Abgerufen am: 12.08.2021.

## 121220401 Wunderkammer 4.0

**S. Zierold, B. Rudolf, R. König, A. Kästner**

Veranst. SWS: 12

Projektmodul

Mo, wöch., 09:15 - 16:45, Geschwister-Scholl-Str.8A - PC-Pool mit Empore 021, 11.10.2021 - 31.01.2022

Do, Einzel, 09:00 - 18:00, Geschwister-Scholl-Str.8A - PC-Pool mit Empore 021, 10.02.2022 - 10.02.2022

### Beschreibung

**Gastkritik:** Dr. Tobias Pfeiffer-Helke

**Lehrauftrag:** Nezar Abualhalaweh, „From idea to reality – Prototyping 101“

### Projektbeschreibung (18 ECTS)

Für die Sammlungen der Stiftung Schloss Friedenstein Gotha ist ein temporärer Pavillon / Installation zu entwerfen, der als Vitrine an verschiedenen Standorten Einblick in das barocke Universum Gotha gewährt. Er sucht seinen Platz entlang touristischer Pfade und an wichtigen Knotenpunkten als Orientierungshilfe und Informationsquelle für einen Dialog. Die Studierenden analysieren die historischen Ausstellungen und entwerfen eine partizipative, reaktive oder interaktive räumlich-mediale Umgebung.

Die Mikroarchitektur orientiert sich an einer im Stegreif entworfenen Box barocker Raumkunst und der historischen Wunderkammer und führt deren Grundidee in einer modularen Konstruktion fort, die den Standortwechsel und die Ergänzung weiterer Elemente ermöglicht. Die Vitrine enthält wechselnde Informationen zu aktuellen Ausstellungs- und Veranstaltungsinhalten sowie Verweise auf die umfangreichen Sammlungsbestände von Gotha.

Medien Installationen erzeugen eine spezielle Atmosphäre in Bezug auf natürliche und architektonische Kontexte in Gotha. Die Vitrine präsentiert neue Informations-Layer, um eine interessante Umgebung für interaktive Kommunikation anzubieten. Die Nutzer werden in die räumliche Installation durch unterschiedliche Muster der Kommunikation einbezogen. Der Entwurf eines Wahrnehmungsraumes, Pavillons oder einer räumlichen Umgebung mit hohem Anspruch an die Gestaltung ist Teil des Entwurfsprojektes.

**Ablauf** Das Projekt ist in drei Teile gegliedert mit Kritiken im online Plenum und persönlichen Konsultationen in Präsenz. Die Studierenden können in Zweiertteams arbeiten.

In der *ersten* Projektphase erhalten die Studierenden eine Einführung in das Fachgebiet der MediaArchitecture und analysieren und präsentieren beispielhafte künstlerische Referenzprojekte. Die Studierenden lesen Literatur und forschen über aktuelle künstlerische Perspektiven der Ausstellung. Der Entwurf startet mit einem Stegreif zu einer Box barocker Raumkunst, die Bestandteil des Wunderkammerkonzeptes werden soll. Mit dieser Übung reflektieren die Studierenden ihre persönlichen Erfahrungen und trainieren ihre Wahrnehmung und Fähigkeiten der Darstellung. Danach analysieren die Studierenden geeignete Orte in Gotha und dokumentieren diese mit Zeichnungen, Fotos oder Videos. Das Ziel ist die Entwicklung eines Kontext basierten Konzeptes. Im ersten Plenum wird die Konzeptidee vorgestellt.

In der *zweiten* Projektphase kombinieren die Studierenden die Konzepte mit unterschiedlichen technischen basierten Systemen oder Geräten und integrieren diese in interaktive Installationen. Informationen und Daten aus der barocken Kunstsammlung werden bezogen auf den Kontext für den Nutzer wahrnehmbar. In Begleitseminaren und Workshops erlernen die Studierenden verschiedene mediale Werkzeuge und Technologien für die Anwendung im Projekt. Der Kurs „From idea to reality – Prototyping 101“ vermittelt Fertigkeiten zum Bau von physischen und digitalen Prototypen. Im zweiten Plenum wird die Konzeptidee auf den physischen Kontext abgestimmt und mediale Technologien angewendet.

In der *dritten* Projektphase werden funktionale gut gestaltete Prototypen als Modell in Maßstäben bis 1:1 entwickelt und im physischen Kontext getestet. Die Studierenden testen, werten aus und dokumentieren die Benutzbarkeit. Der Prototyp ist ein Wahrnehmungsapparat zur Verstärkung der Kommunikation und wird im dritten Plenum vorgestellt.

Das Entwurfskonzept und der Entwurfsprozess werden final in einem Video, Logbuch und Poster mit künstlerischer Bildsprache dokumentiert und in einer Ausstellung präsentiert.

#### **Obligatorisches Begleitmodul:**

Design with Data: *Introduction to visual programming with TouchDesigner*, Junior-Prof. Dr. Reinhard König, Stefan Kraus, 6 ECTS, Fakultät A+U

#### **Wahlobligatorische Fachmodule:**

Arduino-physical computing, Brian Clark, Interface Design 6 ECTS, Fakultät K+G

#### **Bemerkung**

**Zeit:** Montag, 9:15 – 12:30 Uhr, 13:30 – 16:45 Uhr Konsultationen / Workshop

**Erstes Treffen:** Präsenz und online in Moodle / BBB, 18.10.21, 9:15 Uhr, Verwendung von Chrome oder Firefox Browser, Headset und stabiler Internetverbindung

### **121220402 Pre-Thesis Course (Building an Proposal)**

**M. Lloyd, S. Zierold**

Seminar

Do, wöch., 14:00 - 17:00, 04.11.2021 - 03.02.2022

Veranst. SWS:

2

## Beschreibung

In order to help 3rd Semester Master MediaArchitecture students and Master students from other faculties become better prepared for their upcoming thesis semester, this module is designed to facilitate students to become aware of what is to be expected before and during their thesis projects, particularly when it comes to critical and theoretical writing. During this course students shall understand what the overall criteria is required within a contextual thesis, and shall learn to develop and finalize an extended thesis proposal that is able to indicate the important analysis of their given work/ subject matter in question. It is where master-students shall importantly learn how to expand contexts attached to their interested thesis perspectives, into given subjects that can be fundamentally narrowed into a particular set of researched topics, and achieve an overall connecting narrative. In these lectures, and workshops students will be able to openly develop their given arguments and arrangement of counter-arguments, while learning to maintain a decent level of primary and secondary research, as well as forming important questions and concerns that could become attached to their final thesis. In addition, students shall be taught the goal of keeping a high level of narrative-telling and tension building, when it comes to writing theoretically, as well as knowing the importance of structural flow of introduction, body of work and conclusions. While maintaining the fundamental approaches that are needed when the students shall enter their final thesis semester, including: quality of evidence attached to the student's argument: placing supporting material for and against the argument, and what are the claims for making one's overall argument important. This online course will give students the opportunity to openly express, discuss, and debate their interests and initial ideas attached to their upcoming thesis. In these series of lessons it will be within presentations and writing assignments, of which the focus becomes on supporting students to gain further confidence and insight when it comes to writing theoretically. And to gain a wider perspective when it comes to critically being able to place given contexts in a greater social, political, philosophical, artistic, etc.. field of significance. As such helping Master-students become highly prepared and focused when entering their final thesis semester.

All Master students interested in taking the course, please email Matthew Lloyd - [bauhaus\\_ml@hotmail.com](mailto:bauhaus_ml@hotmail.com)

## Bemerkung

Einschreibung findet über das Bisonportal statt.

### 121222604 Urban Landscapes - maps and mapping: from wayward proxies to willing design tools?

#### K. Beelen

Veranst. SWS: 2

Seminar

Fr, gerade Wo, 09:15 - 12:30, Belvederer Allee 1b - Stud. Arbeitsraum 302, 22.10.2021 - 17.12.2021

Fr, Einzel, 09:15 - 12:30, online, 14.01.2022 - 14.01.2022

Fr, Einzel, 09:15 - 12:30, Belvederer Allee 1b - Stud. Arbeitsraum 302, 28.01.2022 - 28.01.2022

## Beschreibung

Seminar | 1.FS.M.Sc.EU/ M.SC U./ M.Sc.A. | Dr. Ir. Arch. Karl Beelen | 3ECTS | 2SWS

## CONTENT

This class will focus on "mapping" as a common thread to look at urbanism and landscape and analyze it as a tool that is instrumental in how we see, imagine, and act upon our environment. Maps, cities and landscapes have largely overlapping genealogies and registers, that range from the visual and the artistic to the political to the biopolitical. In today's world maps are part of a larger mediascape of data and infographics. Even a brief look at the visuals and maps produced in the context of the current pandemic, should be enough to make us aware of how much covid-maps and corona-graphs have helped guide our actions, further our understanding, or organize our collective responses to the complex challenges of an invisible and mutable virus. Maps occupy only a small subset of today's mediascape but they do so with particular fervor and relevance to urban and landscape disciplines. In this class we will study base texts at the intersection of mapping, landscape, settlements and planning, and discuss cases set in different geographic contexts of the global North and South. Each session we will explore a different mapping angle to open up different key debates about landscape and planning. We will work through different landscape histories and design contexts to ultimately arrive at today's accelerating crises, and the disciplinary or political responses to

which mapping can contribute. Reading and discussion of texts and cases will go in tandem with a group-based atlas projects exploring the systems that support our daily lives and infrastructures.

DATE: 2-weekly on Fridays, 9:15-10:45 + 11:00-12:30

START: 22.10.2020, 9:15pm

### 121222805 Urban Sociology (Seminar)

**F. Eckardt**

Veranst. SWS: 2

Seminar

Mo, wöch., 17:00 - 18:30, Belvederer Allee 1a - Stud. Arbeitsraum 202, 11.10.2021 - 15.11.2021

Mo, wöch., 17:00 - 18:30, online, 22.11.2021 - 17.01.2022

#### Beschreibung

This seminar deepens the understanding of urban sociology by discussion different issues of the contemporary city development. The aim of this seminar is to get a general overview on academic discourses which put urban planning in view of social sciences. It will work on the basis of articles published in international journals and which apply general concepts of sociology on particular case studies. Issues tackled are for example social justice, gender, environmental justice, ethnic minorities, handicapped persons and children.

#### Bemerkung

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

Termine: montags, 17.00 - 18.30 Uhr

Lehrformat: Präsenz oder online

### 121223001 In Search of a Pattern That Connects: Gregory Bateson's ecological aesthetics and designing within a more than human world (Ma)

**L. Link, D. Perera**

Veranst. SWS: 2

Seminar

Mo, wöch., 11:00 - 12:30, Belvederer Allee 1a - Stud. Arbeitsraum 102, 18.10.2021 - 31.01.2022

#### Beschreibung

"What pattern connects the crab to the lobster and the orchid to the primrose and all of them to me? And me to you? And all six of us to the amoeba in one direction and to the back-ward schizophrenic in another?" (Bateson, 1978) What pattern connects this question to you, me, and us as we work in times of ecological crisis, a time of many proposals such as Green New Deals and a call for a New Bauhaus?

If you are curious about these questions, join us this semester as we embark on a semester-long exploration of the pattern that connects as it appears within the work of Gregory Bateson. The pattern that connects is another term for how Bateson came to redefine 'aesthetics' to encompass the complexity of a more than human world. Bateson was critical of the 1960-70s discourses on 'patterns' emerging across disciplines from information sciences to the design sciences, which used the notion of a 'pattern language' in a technocratic manner to make the environment more manageable. He reframed 'patterns' within a more ecological, aesthetic, and spiritual discussion that acknowledged the systemic complexity of living systems that environmental management models could not fully capture. Bateson pointed out the wrong ways in which design sciences used the notion of the survival of the fittest that sets a competitive relationship between the organism vs. environment, suggesting that the unit of survival was the 'relation' between the organism and environment. He sought to address the complexity of this unity by placing the questions of aesthetics in a 'communicational order,' in contrast to his predecessors of the western world, who framed aesthetics as a quality primarily dependent upon the perceiving human subject. By framing aesthetics as a form of meta-communication, ecological aesthetics denotes a participatory process between the human and non-human systems

(animals, institutions, technological) that characterize the living world. He reconfigured how participation, power, system, learning, and flexibility can be reframed as part of a design discussion and an ecological discussion.

In this seminar, we will review the critical texts related to Bateson's concept of ecological aesthetics and engage in conversations with Guest researchers ( Dr. Jon Goodbun, Dr. Ben Sweeting, Dr. Marie Davidova) who have extended these ideas to their respective practices in design politics, ethics, and design material prototyping. In particular, we will entertain the possibility of how a better understanding of 'Batesonian aesthetics' can provide an alternative framework for articulating a better design approach towards a more than human world and reframe this concept in ways that are accessible to other designers and stakeholders of the design process.

### **Bemerkung**

#### Course Format

1 Film screening (in presence) + 3 guest lectures( Virtual/open to public) + 3 reading sessions (in presence) + 3 individual consultations for project

### **Leistungsnachweis**

#### Final submission (Output):

Based on the readings, discussions, and guest presentations, the participants are encouraged to unpack what Batesonian 'ecological aesthetics' and its ethical, social, political implications can mean in designing within the current ecological crisis via a creative response. The creative response should be presented via a video of a maximum of 10 min, which can take the form of recording a story, a poem, an artwork, a record of a personal building project, or a manifesto developed with the semester. The objective is to make the notion of 'ecological aesthetics' more accessible to a broader audience.

The project videos and lecture discussions would be edited and compiled as a playlist and would be made available to the greater public.

If you are interested in taking part in the course and have questions, contact [dulmini.perera@uni-weimar.de](mailto:dulmini.perera@uni-weimar.de)

## **121223801 Design with Data: Introduction to visual programming with TouchDesigner**

### **R. König, S. Kraus**

Seminar

Di, wöch., 13:30 - 16:45, online, 19.10.2021 - 01.02.2022

Veranst. SWS: 4

### **Beschreibung**

In this seminar, media experience designer Stefan Kraus (MXZEHN) give students an insight into visual programming with the creative coding environment TouchDesigner (derivative.ca).

Data is not only an important inspiration for design but emerges as a building material in the creation of interactive media and spaces. Data allows us to analyse and understand the complexity of the natural and social world in an unprecedented manner, revealing previously hidden relationships between them. Meanwhile, creative coding tools have further developed and design-friendly metaphors like visual programming open up new playgrounds for artists and designers beyond pure code.

The visual programming environment TouchDesigner offers a relatively simple, visual approach to the creation of data driven animations and environments. In this course, students will explore openly available datasets, learning how to extract and visualise relevant information as interactive media applications. Emphasis will lie on the idea that data unveils itself through critical and artistic interpretation, an outcome that is not inevitable but formed through the creative design process.

TouchDesigner: <https://derivative.ca>

MXZEHN: <http://www.mxzehn.de>

The course is held mostly online and in the English language.



We will meet in person (if possible) at the beginning, the middle and the end of the semester.

### 121223802 Parametric Energy Modelling and Analysis: Introduction to energy modelling in the urban context

**R. König, N.N.**

Veranst. SWS: 2

Seminar

Fr, wöch., 09:15 - 10:45, Belvederer Allee 1a - Allg. Medienpool 003, 15.10.2021 - 04.02.2022

#### Beschreibung

In this module, urbanist and civil engineer Jakob Becker will give insights into energy modelling and simulation in the building context using the programming environment Grasshopper for Rhino.

First, we introduce the students to the basics of the visual programming environment Grasshopper for Rhino (this course does not require experience in working with Grasshopper), of energy-focused architecture and of working with energy and weather data. Afterwards, the students are guided through different examples of energy simulation applied in urban contexts with the main focus lying on solar radiation simulation and adjacent fields, such as daylight simulation, energy gains calculation, location optimization and geometry definition based on solar radiation and climatic conditions.

This module will give insights into solar urban planning principles and aims to raise the awareness of integrating local climatic conditions into the process of urban planning.

The course is held at the university as well as online. Teaching language is English.

### 121224001 Ethnographic methods for spatial studies (Ma)

**E. Vittu**

Veranst. SWS: 2

Seminar

Do, Einzel, 11:00 - 12:00, online via BBB, 21.10.2021 - 21.10.2021

Do, Einzel, 11:00 - 16:00, Geschwister-Scholl-Str.8A - Oberlichtsaal 213, 28.10.2021 - 28.10.2021

Block, 11:00 - 16:00, Belvederer Allee 5 - Seminarraum 005, 13.01.2022 - 14.01.2022

#### Beschreibung

Ethnographic methods are a way to engage with the complexity of socio-spatial phenomena by focusing on the perspectives and practices of those who are involved in them. With this course we want to provide students of various disciplines a platform to exercise different methods in the field and thereby immerse themselves in urban processes. Throughout the semester, small groups will explore different methods (such as interviewing and participant observation), and present their findings in the class. The aim is to facilitate learning by doing, supported by input and consultations. As a seminar group, we will reflect upon our experiences, and discuss the intersection between ethnography and spatial disciplines such as urban planning together with guest lecturers.

Organisational:

The class takes place as a block seminar (28.10.2021, 13.-14.01.2022) in presence. Guest lectures and consultations will be held digitally and scheduled on Thursdays during the semester

#### Bemerkung

<p>1. Application: between 1. -15. October with a short email to [charlotte.elisabeth.ulrike.waitz.von.eschen@uni-weimar.de](mailto:charlotte.elisabeth.ulrike.waitz.von.eschen@uni-weimar.de) <p>2. Digital info-meeting: 11 - 12 am on the 21. October for everyone who is interested and applied with an email (on BigBlueButton). <p>3. Based on the info-meeting, everyone can confirm if they want to participate or not. From this group, 12 people will be admitted to the course. <p>4. The first seminar-block will take place in presence at 11am - 4pm on the 28. October. <p class="MsoPlainText">1. Application: between 1. -15. October with a short email to <a href="mailto:charlotte.elisabeth.ulrike.waitz.von.eschen@uni-weimar.de">charlotte.elisabeth.ulrike.waitz.von.eschen@uni-weimar.de</a> <p class="MsoPlainText"> <p

class="MsoPlainText">2. Digital info-meeting: 11 - 12 am on the 21. October for everyone who is interested and applied with an email (on BigBlueButton). <p class="MsoPlainText"> <p class="MsoPlainText">3. Based on the info-meeting, everyone can confirm if they want to participate or not. From this group, ca. 12 people will be admitted to the course. <p class="MsoPlainText"> <p><span style="font-size: 11.0pt; font-family: 'Calibri',sans-serif; mso-ascii-theme-font: minor-latin; mso-fareast-font-family: Calibri; mso-fareast-theme-font: minor-latin; mso-hansi-theme-font: minor-latin; mso-bidi-font-family: 'Times New Roman'; mso-bidi-theme-font: minor-bidi; mso-ansi-language: DE; mso-fareast-language: EN-US; mso-bidi-language: AR-SA;">4. The first seminar-block will take place in presence at 11am - 4pm on the 28. October.</span>

## 1734216 Öffentliche Bauten (Ma)

**K. Schmitz**

Veranst. SWS: 2

Vorlesung

Do, wöch., 09:15 - 10:45, 28.10.2021 - 03.02.2022

### Beschreibung

Diese Vorlesungen sind der Versuch zu verstehen, wie Gebäude und Stadtpläne die Ideen der Gesellschaften widerspiegeln, die sie gebaut haben. Sie untersuchen die Entwicklung öffentlicher Gebäude von der Antike bis zur Gegenwart, „nicht so sehr aus Interesse für die Vergangenheit“, wie Isaiah Berlin es formuliert, „sondern um erste Ursachen ausfindig zu machen, um zu verstehen wie und warum die Dinge so und nicht anders entstanden sind.“

Diese Geschichte wird aus der Sicht eines Architekten erzählt, und es wird vor allem eine Geschichte des architektonischen Raumes sein. Es wird keine geradlinige Geschichte sein können, denn die Baukunst hat ihre eigenen Formen der Entwicklung, und diese ist nicht immer geradlinig und zielbewusst. Es sind hauptsächlich die Umbrüche, die hier besprochen und interpretiert werden. In dieser Geschichte geht es neben der baukünstlerischen Entwicklung auch um die Bestimmung von öffentlichen Bauten, weniger um die Funktion. Auf die Frage nach der Bestimmung von öffentlichen Bauten bekommen wir die interessanteren Antworten, da wir einiges über die Beweggründe der Gesellschaft erfahren können, für die diese Bauten entworfen und gebaut wurden. Die Geschichte der Funktion ist eine Geschichte der zunehmenden Ausdifferenzierung. Die Geschichte hat gezeigt, dass programmatische Ideen und räumliche Vorstellungen innerhalb ihrer Zeit korrespondieren, dass aber die Form nicht immer der Funktion folgt. Die These, dass sich architektonischer Raum und Form hauptsächlich aus der Funktion entwickelt, ist irreführend. Entscheidend für das Verständnis öffentlicher Bauten und öffentlicher Räume ist nicht so sehr die detaillierte Kenntnis der Funktion, sondern vielmehr das Verständnis der kulturellen und politischen Bestimmung, die diese Bauten zu erfüllen hatten.

Die Vorlesungsreihe beschäftigt sich in diesem Semester mit Bibliotheksbauten und Museumsbauten. Die Vorlesungen werden nur auf Deutsch verfügbar sein. Der Kurs schließt mit einer Prüfung ab.

### Bemerkung

In diesem Semester können sich 60 Studierende zur Prüfung anmelden. Die Prüfungsleistung wird bekannt gegeben, sobald feststeht, wie viele Studierende sich angemeldet haben.

Der Link zur ersten Vorlesung wird den Teilnehmern am Donnerstag, den 28. Oktober 2021 per E-Mail zugeschickt.

### Voraussetzungen

Der Link zur ersten Vorlesung wird den Teilnehmern am Donnerstag, den 8. April 2021 per E-Mail zugeschickt.

### Leistungsnachweis

In diesem Semester können sich 60 Studierende zur Prüfung anmelden. Die Prüfungsleistung wird bekannt gegeben, sobald feststeht, wie viele Studierende sich angemeldet haben.