

Vorlesungsverzeichnis

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

Sommer 2023

Stand 23.03.2023

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M.Sc. Integrated Urban Development and Design (PO 2018)**119122703 European Spatial planning****G. Bertram, T. Potezica**

Veranst. SWS: 2

Seminar

Do, unger. Wo, 09:15 - 12:30, Belvederer Allee 5 - Seminarraum 008, 13.04.2023 - 27.04.2023

Do, wöch., 09:15 - 12:30, Belvederer Allee 5 - Seminarraum 008, 01.06.2023 - 08.06.2023

Do, wöch., 09:15 - 12:30, Belvederer Allee 5 - Seminarraum 008, 22.06.2023 - 06.07.2023

Beschreibung

The seminar "Spatial planning" is part of the module "European cities". It is specifically designed for students of the master program "European Urban Studies, M.Sc." but is open to other master programmes (Urbanistik, IUDD, Erasmus...). The aim of the seminar is to develop an understanding and a wider reflexion of the diversity of planning cultures in Europe through the analysis of models, theories, key concepts and case studies. We will explore the topic through a set of questions: what are the main principles of spatial planning in European countries? What are the main, and somehow contradictory, challenges spatial planning must face? To what extent is spatial planning able to maintain social and territorial cohesions and to integrate the sustainability imperatives? What are the political and planning responses and what kind of instruments are developed?

The methods of the seminar will be a combination of lectures by the instructors, student presentations and discussions. We will look at the following countries: Serbia, the Netherlands, Great Britain and Germany. To explore contemporary challenges students will give presentations on specific projects within these countries. Finally, we will look at key concepts of spatial planning on the scale of Europe.

Final grade: active participation, individual paper, presentation**Language:** English**Appointment:** Thursdays, 9.15-12.30: 13.4., 27.4., 1.6., 8.6., 22.6., 29.6., 6.7.**Start:** 13.04.2023**Where:** Belvederer Allee 5, Room 008**Credit hours:** 2**ECTS credits:** 3**Max:** 20 Students.

The seminar is compulsory for the students of the Master "European Urban Studies". If you are not involved in the EUS Master and if you want to attend the seminar, please contact Tanja Potezica **first:** tanja.potezica@uni-weimar.de

Bemerkung**Appointment:** Thursdays, 9.15-12.30: 13.4., 27.4., 1.6., 8.6., 22.6., 29.6., 6.7.**Start:** 13.04.2023**Where:** Belvederer Allee 5, Room 008**Credit hours:** 2**ECTS credits:** 3**Max:** 20 Students.

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Voraussetzungen

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121123302 Urban Modeling and Simulation (UMS) - Advanced

R. König

Veranst. SWS: 2

Seminar

Do, wöch., 06.04.2023 - 06.07.2023

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.

Bemerkung

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

Appointment: Thursday (integrated in IUDD planning project) // Termin: Donnerstag (integriert in IUDD Planungsprojekt)

123120201 Resiliente Interventionen in der Seestadt Aspern / Residiert Interventionspunkte in Seestadt Aspern

B. Nentwig, P. Schroeder

Veranst. SWS: 8

Projektmodul

Do, wöch., 09:15 - 16:45, 06.04.2023 - 06.07.2023

Beschreibung

deutsch:

Der 2007 in einen internationalen Wettbewerb prämierte Masterplan (Tovatt Architects & Planers; nplus Prof. Nentwig) für das ehemalige Flugfeld Aspern ist als eine der größten europäischen Stadtentwicklungen zu einem Referenzprojekt für nachhaltige Entwicklung und Mobilität geworden.

In Zusammenarbeit und Unterstützung mit der Wien 3420 aspern Development AG sollen in diesem Projekt im Sinne einer „Productive City“ Gewerbeentwicklungen in Verbindung zu integrierten Mobilitätskonzepten und der übergreifenden Nachhaltigkeitsthematik entwickelt werden.

Die Ergebnisse reichen von strategischen Planungen bis zu konkreten Entwurfsansätzen.

Im April 2023 ist eine Exkursion nach Wien geplant. Die Kosten belaufen sich auf ca. 400,- €.

englisch:

The masterplan (Tovatt Architects & Planners; nplus Prof. Nentwig) for the former Aspern airfield, which was awarded a prize in an international competition in 2007, has become a reference project for sustainable development and mobility as one of the largest European urban developments.

In cooperation and support with Wien 3420 aspern Development AG, this project aims to develop commercial developments in the sense of a "Productive City" in connection with integrated mobility concepts and the overarching sustainability theme.

The results range from strategic planning to concrete design approaches.

A field trip to Vienna is planned for April 2023. The costs amount to approx. 400,- €.

Bemerkung

Wunschort und Zeit: Greenhouse, Raum 002, Do. 9.15 Uhr -, Beginn: 13. 04. 23

Leistungsnachweis

Präsentation und Dokumentation

123123501 Material Constraints in the "Global South"

N.N., E. Vittu

Seminar

Fr, Einzel, 11:00 - 15:00, Belvederer Allee 5 - Seminarraum 008, 28.04.2023 - 28.04.2023

Fr, Einzel, 11:00 - 15:00, Belvederer Allee 5 - Seminarraum 008, 16.06.2023 - 16.06.2023

Fr, Einzel, 11:00 - 15:00, Belvederer Allee 5 - Seminarraum 008, 30.06.2023 - 30.06.2023

Beschreibung

In a complex interplay with available means—including technologies, machinery, capital and labour—material constraints impact buildings. Taking construction materials such as cement, concrete, steel or aluminium, as well as auxiliary materials (e.g. timber for formwork or scaffolding) as starting points for an investigation, and inquiring how these informed, challenged and reoriented architectural practice, we are going to nuance our understanding of the built environment.

Rather than focusing broadly on material qualities or supply chains, the seminar shall investigate how materials have constrained various (human) actors in building processes. More intriguing than the straightforward impact of different groups of actors (clients, builders, authorities) on the material outcomes of building processes are cases in which construction materials eluded the actors; for instance, when particular physical or chemical qualities, the lack of specific construction materials or the lack of skill or knowledge forced these various actors to seek different solutions or to deal with the failure of their attempts. This interest in (the resistance of) matter is not limited to planning and actual construction but also seeks to address questions of maintenance and decay of materials. In other words, we intend to inquire how construction materials constrained building processes as well as the material afterlife of sites – while perhaps simultaneously enabling completely different, unpredicted outcomes.

To address how local design and building practices in a variety of local settings were influenced and complicated or conflicted by regional and global processes of industrialisation of construction activities (and related branches of production such as metal processing), the temporal scope of the seminar is set on the (late) 19th century and the long 20th century. We are going to engage with transnational connections between European/ non-European locations, including, for instance, trans-imperial links during the colonial period (e.g. through multinational contractors) or the attempt to overcome entrenched material dependencies with the former metropolises in the post-independence period. The analyses may address aspects related to the human agency, such as logistics of (long-haul) transportation of materials, standardisation, bureaucracy, corruption etc. or areas of material constraints beyond the human agency, such as decay.

Through the interdisciplinary composition of the teaching team, we want to ensure that approaches from architectural and urban history remain in dialogue with global history, economic geography and STS to add to the complex perspectives on (architectural) materiality.

The block seminar invites students to work individually and in groups on literature and case studies, which will be presented (15 minutes presentations) and discussed during the seminar's two final meetings. Apart from the themes mentioned above, participants are strongly encouraged to propose their own research questions and case studies.

Selected bibliography

Alonso, Pedro, and Hugo Palmarola, eds. *Flying Panels: How Concrete Panels Changed the World*. Stockholm, [Santiago de Chile], Berlin: ArkDes#; Ediciones UC#; DOM Publishers, 2019.

Forty, Adrian *Concrete and Culture: A Material History*. 1st pbk. ed. London: Reaktion Books, 2016.

Slaton, Amy E. *Reinforced Concrete and the Modernization of American Building: 1900-1930*. Johns Hopkins Studies in the History of Technology. Baltimore: Johns Hopkins Univ. Press, 2001.

Slaton, Amy, ed. *New Materials: Towards a History of Consistency*. Ann Arbor, MI: Lever Press, 2020. <https://doi.org/10.3998/mpub.11675425>.

Wall, Christine. *An Architecture of Parts: Architects, Building Workers and Industrialisation in Britain 1940 - 1970*. 1st ed. Routledge, 2016.

Bemerkung

Teachers: Dr. Monika Motylinska, Paul Sprute, Maria Jeldes

Start: 28 April 2023 from 11 a.m.; two further dates each Friday in the course of the semester (in consultation with the participants, preferably on 16 and 30 June).

Leistungsnachweis

presentation/testat

Advanced Urbanism

Reflective Urban Practice