TRANSFORMING
CITY REGIONS

European Master of Science

Transforming City Regions

Semester Handbook
Summer Semester 2023

städtebau | **RWTH**AACHEN
UNIVERSITY

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Preamble

Foto: Michel-Kitenge

Dear Reader,

The English taught master programme "TRANSFORMING CITY REGIONS" at RWTH Aachen University was launched in the winter semester 2019/20. The high demand from students from Germany, Europe and, last but not least, the whole world shows that the content orientation of the degree programme towards international transformation processes was well-chosen. Students from the disciplines of architecture, urban planning, landscape planning, civil engineering, geography, and cultural studies have been very successful in the past semesters in dealing with concepts and strategies in urban design and in neighbourhood, city and regional development.

This has involved an intensive examination of the major challenges of transformation – urbanisation in the form of reurbanisation and suburbanisation as well as the reshaping of entire regions, such as the lignite mining region in the Rhineland. Above all, there is agreement that transformation processes can only be successfully mastered if the right instruments, concepts and strategies are applied. And many of these challenges and questions for the future can no longer be answered by looking at the local context, but require an international exchange of experience, as is taking place within the framework of the English taught master programme "TRANSFORMING CITY REGIONS" (TCR).

In times of globalisation and increasing networking, knowledge in dealing with international transformation processes is more important than ever. It not only opens up new career prospects for graduates, but also qualifies them in every respect for the future challenges in the broad field of urban and regional planning.

The teaching results presented in the following show how students have dealt with transformation processes at the various spatial scales and levels - from the neighbourhood, to the city, to the region - and how the spatial level can be successfully linked with the strategic level.

I hope you enjoy exploring these projects.

Prof. Christa Reicher
Head of the international TCR programme

London

Ams

Rotter

Bruss

Paris

5 hour distance

2 hours distance

1 hour distance

Copenhagen

Hamburg

Berlin

sterdam

dam

Eindhoven

sels

Aachen

Cologne

Frankfurt

Luxembourg

Rome

Munich

Zurich

Milan

People

The international teaching and research network Transforming City Regions is based at RWTH Aachen University and led by Prof. Christa Reicher, head of the Chair and Institute of Urban Design at the Faculty of Architecture. The network includes partners from academia and practice and aims to advance the level of knowledge of regional transformation processes in post-industrial areas within the framework of an international comparative action.

Coordination

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Foto: Michel-Kitenge

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Chair for Preserving Cultural Heritage (SKE)
Module(s): European urban policies and territorial governing structures

carola.neugebauer@rwth-aachen.de

i Transforming City Regions

is a European master programme that integrates many disciplines in order to educate professionals being able to respond to the challenges of evolving European territories of different scales with respect for the environment, using the technical excellence and a solution-oriented approach, understanding the economic efficiency and respecting social needs.

General Information

Transforming City Regions (TCR) is a unique, multidisciplinary master programme with a strong focus on the European dimension of territorial development. The degree programme is taught in English and is designed to respond to the environmental, social, technological, and economic challenges which European cities and regions are facing. TCR takes a technically advanced and solution-oriented approach so that you can understand economic efficiency and identify societal needs.

The TCR programme is one of the few programmes that have been newly designed at RWTH Aachen University to respond to European territorial challenges. The special focus is on a project and design-oriented education that equips graduates not only with up-to-date and solid knowledge, but also with the tools and methods to help them tackle the problems of Europe's changing cities and regions. Despite its clear multidisciplinary orientation, the engineering and design-oriented profile of the graduates is deeply rooted in the tradition of the Faculty of Architecture at RWTH Aachen University and also gives the programme a strong identity.

Key Facts

Degree:
Master of Science RWTH

Start of Studies:
Winter Semester

Standard Period of Studies:
4 semesters

ECTS Credits:
120

Language:
English

Goals and Competences

Profound multidisciplinary knowledge
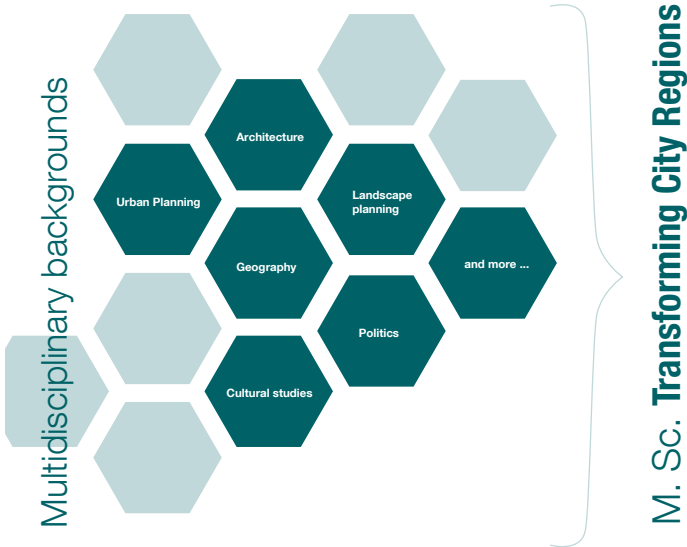
Scientific and solution-oriented attitude

Analysis of complex urban problems and systems

In-depth understanding of changing urban and regional structures

Programme Structure

The degree programme is structured in 4 semesters, with the last semester being dedicated to the Master thesis. The core of the master programme is formed by three major integrated project works during the first three semester. The increasing territorial complexity and issues with different structural and content-related priorities and the link with the foundations of other disciplines should lead to integrative and conceptual thinking.

Multidisciplinary backgrounds

Architecture

Urban Planning

Landscape planning

Geography

and more ...

Politics

Cultural studies

M. Sc. **Transforming City Regions**

Goals and competences

Analytical   Scientific working and research skills

In-depth understanding of changing urban and regional structures

Advanced methodological tools and techniques

Analysis of complex urban problems and systems

Dynamics of contemporary cities

Topics

Status quo
Strenghts (challenges)
Weaknesses (topics)
Opportunities
Threats
Existing strategies
Future challenges

Courses

Integrated Projects I-III

Changing societies and economies

Multiple scales of urban planning and design

Planning and designing for changing cities

Evolving environment. Transforming landscapes

European urban policies and territorial governing structures

Urban transformation I + II

GIS-Box

Territorial analysis, digital tools.

These projects are characterised by a broad spectrum of methodological, procedural, morphological, landscape architectural, ecological, legal, and economic aspects. The remaining ECTS are available through compulsory modules, elective courses, research modules, field trips/impromptu courses and transit courses.
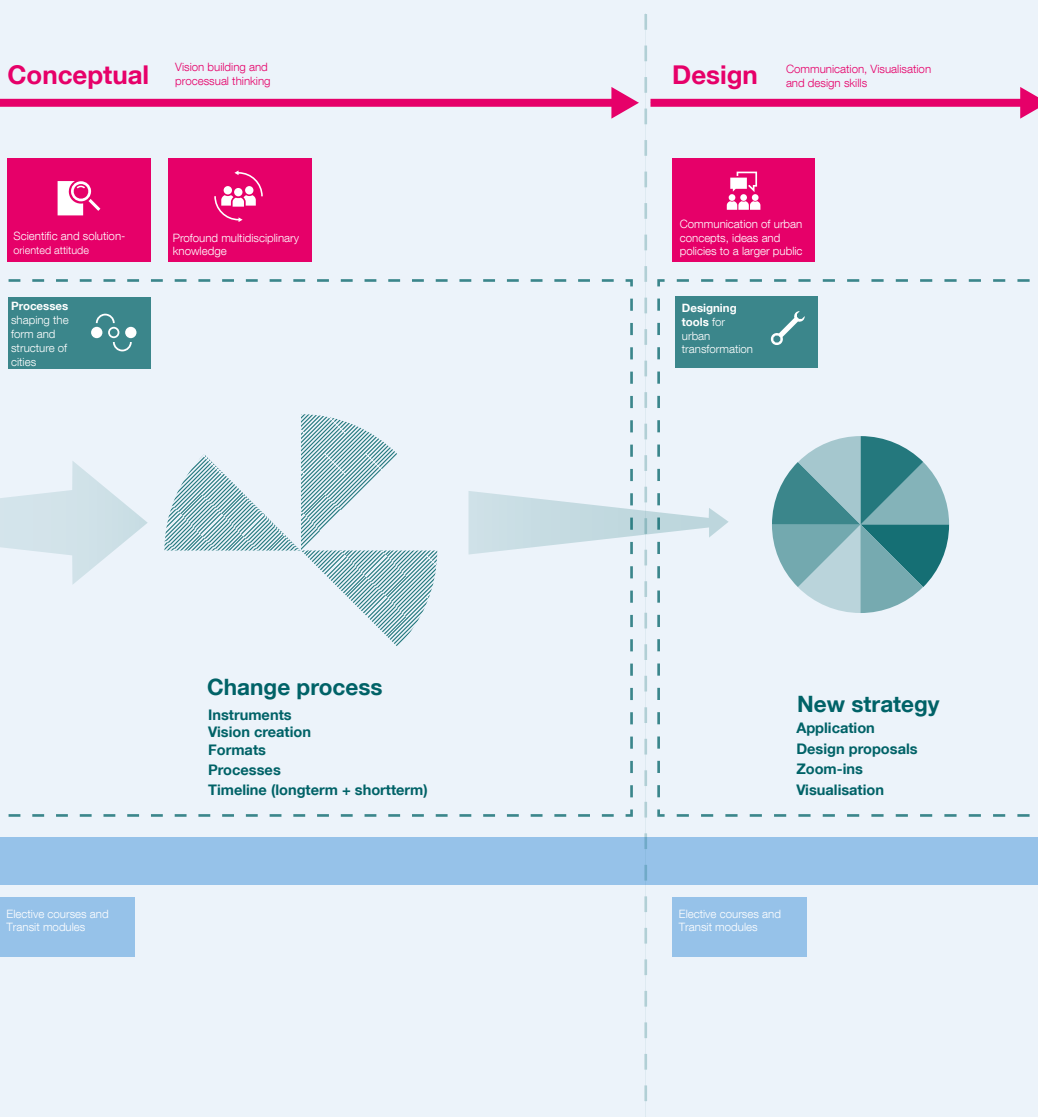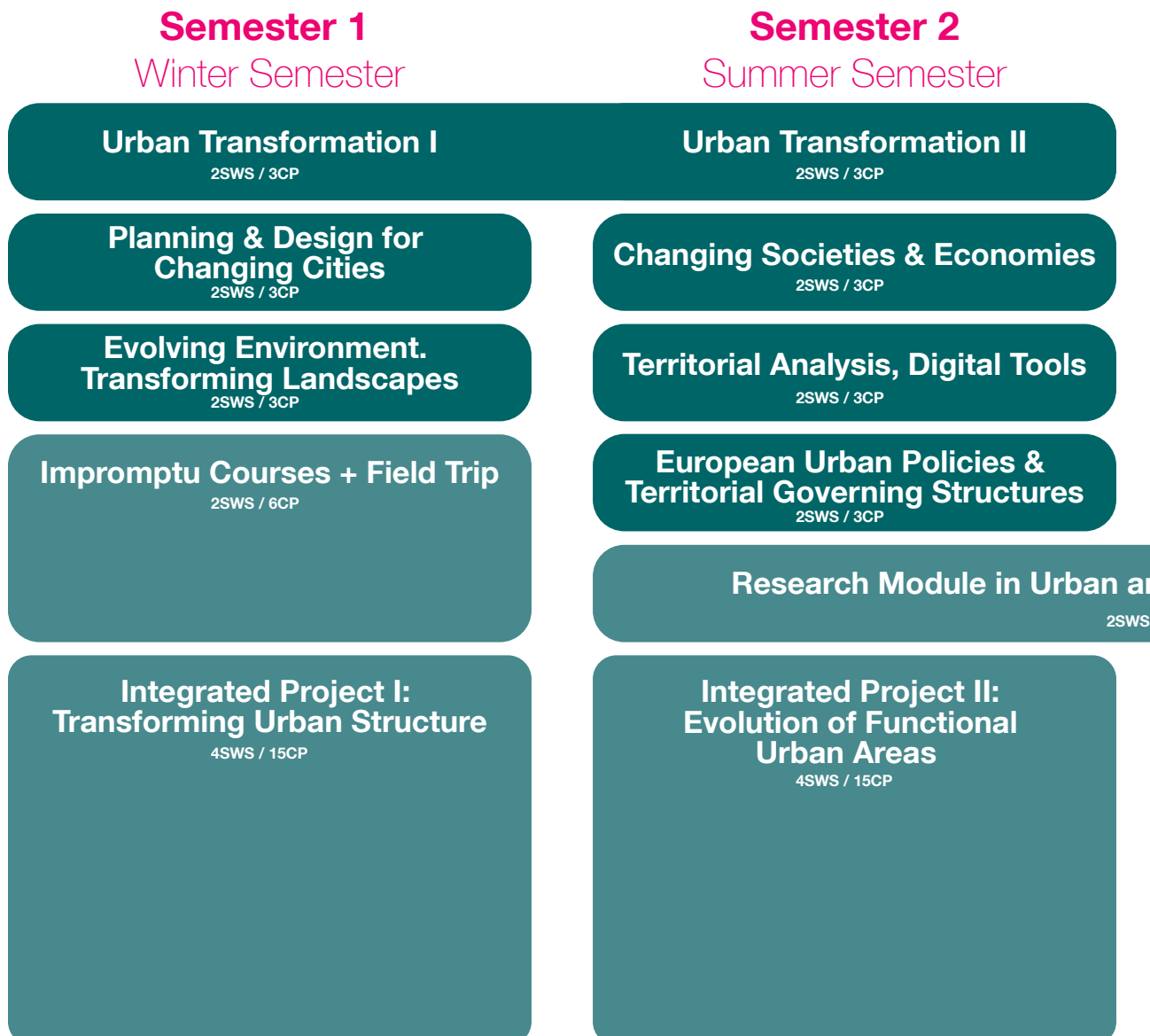
If you have a degree in urban design, urban planning, urban studies, spatial planning, regional planning, landscape architecture, architecture, transport planning, environmental engineering, urban geography, urban ecology or urban governance, this degree programme is particularly suitable for you.

Conceptual Vision building and processual thinking

Design Communication, Visualisation and design skills

Scientific and solution-oriented attitude

Profound multidisciplinary knowledge

Communication of urban concepts, ideas and policies to a larger public

Processes shaping the form and structure of cities

Designing tools for urban transformation

Change process
Instruments
Vision creation
Formats
Processes
Timeline (longterm + shortterm)

New strategy
Application
Design proposals
Zoom-ins
Visualisation

Elective courses and Transit modules

Elective courses and Transit modules

Curriculum Framework

The programme consists of a wide range of courses covering current topics of urban planning and design. Within four semesters the students learn theoretical backgrounds and methodological skills. The knowledge is applied in three different integrated projects, as well as the master thesis. There are several elective courses to be chosen from within the faculty and the further pool of RWTH wide courses.

Semester 1
Winter Semester

Urban Transformation I
2SWS / 3CP

Planning & Design for Changing Cities
2SWS / 3CP

Evolving Environment. Transforming Landscapes
2SWS / 3CP

Impromptu Courses + Field Trip
2SWS / 6CP

Integrated Project I: Transforming Urban Structure
4SWS / 15CP

Semester 2
Summer Semester

Urban Transformation II
2SWS / 3CP

Changing Societies & Economies
2SWS / 3CP

Territorial Analysis, Digital Tools
2SWS / 3CP

European Urban Policies & Territorial Governing Structures
2SWS / 3CP

Research Module in Urban a
2SWS

Integrated Project II: Evolution of Functional Urban Areas
4SWS / 15CP

Core Courses

Elective Compulsory Courses

Elective Courses

Semester 3
Winter Semester

**Multiple Scales of
Urban Planning & Design**
2SWS / 3CP

Elective Courses
2SWS / 3CP

Elective Courses
2SWS / 3CP

Transit
0SWS / 3CP

nd Regional Transformation*
/ 6CP

**Integrated Project III:
Networked Urban Systems
in Europe**
4SWS / 15CP

Semester 4
Summer Semester

**Master Thesis
Project Work & Presentation
of the Thesis**
0,5SWS / 30CP

Compulsory Modules

The compulsory modules or core courses focus on dynamics of contemporary cities, the processes shaping the form and structure of cities, and designing tools for urban transformation. The knowledge provided by a multidisciplinary teaching staff provides knowledge, tools, and methodologies to respond to challenges of evolving European territories while being aware of different spatial aspects such as social, economic, and ecological ones.

Urban Transformation II
City Portraits

Module Responsible

Chair of Urban Design and Institute for Urban Design and European Urbanism

Teaching Staff

Dr Maram Tawil

Dates

Guest lecturers April and May 2023 – to be determined

Wednesdays, 10.00-11.30, SG 301

Examination Date

28.6.2923 – 5.7.2023

Examination Format

Oral presentation + essay of 1500 words

3 ECTS Points   30

2 SWS   12

Course Content

This course provides a theoretical discussion describing the various yet closely related dimensions of urban design and planning from neighborhood scale to regional scale. It takes a holistic approach; it synthesizes and integrates ideas, theories of urbanism from a wide range of key sources of the existing literature and research.

The module is organized in three parts. It begins with a broad discussion of the main urban challenges facing cities and regions nowadays, on different scales and the corresponding theories of planning and types of plans on all scales. The second part focuses on urban design and planning dimensions, including morphological, perceptual, visual, functional and temporal aspects. The final part covers the discussions on the implementation strategies and delivery mechanisms of urban design and planning.

The assignment for this module is a scientific in-depth analysis of the cities portrayed in the winter semester to be prepared in group work. The students shall deepen their former analysis within a specific time interval into driving macro/micro forces causing urban transformations as well as underlying the urban dynamics causing such transformation. The assignment will work through in terms of urban growth and gaining an insight of the different scales and forms of development up to envisioning how urban growth shall be further managed.

Learning Objectives

The course will be delivered through a series of structured lectures, class discussions and associated seminars which identify the main themes and substantive issues involved in planning and urban transformation.

The students will be urged to discuss the international cases of their assignment within the classes throughout the semester seizing the importance of associating the work in teams with the theoretical inputs received and discussed in class. They will undergo two major blocks of research. First, they will learn various theoretical frameworks on which they can base their development approaches for the assignment. They will have to articulate a presentation on deepened analysis of urban dynamics causing urban growth in their city portraits in addition to an essay reflecting the analytical procedure and outcome.

Reading Recommendations

Alexander, Christopher 1977: A Pattern Language: Towns, Buildings, Construction, New York, Oxford University Press

American Planning Association APA 2006: Planning and Urban Design Standards, John Wiley and Sons, Hoboken, New Jersey

Altrock, Uwe / Gunter, Simon /Huning, Sandra /Peters, Deike 2004: Perspektiven der Planungstheorie, Berlin, Verlag, Leue

Birch, Eugenie 2009: The Urban and Regional Planning Reader, Urban Reader Series

Campbell, Scott, Fainstein, Susan 2003: Readings in Planning Theories, second edition Blackwell Publishing

Healy, Patsy 1997: Collaborative Planning, Shaping Places in Fragmented Societies, UBC Press, Vancouver

Hotzan, Juergen 1996: dtv-Atlas Stadt

Kostof, Spiro 1999: The City Shaped: Urban Patterns and Meanings through History, Thames and Hudson, High Holborn, London

Shane, David Grahame 2007: Recombinant Urbanism; conceptual modelling in architecture, urban design, and city theory, U.K, Wiley – Academy.

European Urban Policies & Territorial Governing Structures

Module Responsible

Chair for Cultural Heritage

Teaching Staff

Prof. Dr Carola Neugebauer

Dates

Tuesdays, 10.45-12.15

3 ECTS Points   30

2 SWS   2

Course Content

This module elaborates the European Institutions, their frameworks and programmes towards cities and regions. This includes the main documents defining European urban policies such as European Urban Agenda, Leipzig Charta and Toledo Declaration as well as global official reports such as the UN Habitat's Sustainable Development Goals and New Urban Agenda. Additionally, the governing cultures across Europe and the transformation of the models of urban governance are examined and evaluated. Finally, the module gives an overall view of the tools and instruments of urban governance and urban development across Europe.

Learning Objectives

The main objective of the module is to give students insights into the European policies towards cities and regions, and the ways they respond to global change and fit into the global urban agenda. In this module, the students learn the political aspect of design and planning and recognize and evaluate the territorial governing models and their relations to urban and regional transformation.

Territorial Analysis, Digital Tools

| 3 ECTS Points | 30 |

| 2 SWS | 12 |

Course Content

Meaningful maps are based on a solid foundation of information. But what does this look like? Data formats such as CSV, JSON or GeoPackage help to store information in a structured way, but how is it best processed? Open-StreetMap offers a wealth of geoinformation, but how can this information be accessed and easily processed?

Beyond applications like QGIS (GIS Basics), information can be customized, adapted, visualized and analysed by using Python programming. In this course, we show the basics of object-oriented modelling as well as differ-ent data formats. We also deal with data transformation and scripting, data modelling and work out basic algorithms of spatial analysis. We will query OSM for information and create simple analysis maps and graphs. The aim is to understand the structure and composition of spatial data in order to be able to process and analyse it.

The course includes video readings for theoretical content and Jupyter Notebooks for practical application of data processing.Students submit a small programming task as a Jupyter Notebook for exam admission. The course is completed by passing an online written exam (Dynexite). For sup-port, 3 Q&A appointments and one exam preparation appointment are of-fered during the semester, participation is voluntary.

Learning Objectives

Skills and goals: Analysis and modelling of data, basic understanding of data structures generic / GIS-specific, basic Python programming skills, data transformation and linking, data examination and investigation, data visualization, querying OSM data.

Module Responsible

Chair of Design Computation

Teaching Staff

Noemi Kremer

Dates

Thursday, 27 April, 9-10: Q and A Session
Thursday, 25 May, 9-10: Q and A Session
Thursday, 15 June, 9-10: Q and A Session
Thursday, 25 June, Submission exercise
Thursday, 20 July 9-12: Exam preparation

Examination Date

03.08.2023 9.00-10.00

Examination Format

Dynexite online exam (Take home exam)

Changing Societies & Economies
Socio-Technical Change and Transformation Dynamics

Module Responsible

Chair of Society and Technology

Teaching Staff

Prof. Dr Stefan Böschen

Dates

Tuesday, 25 April, 14.30-16.00

Tuesday, 2 May, 14.30-16.00

Tuesday, 9 May 14.30-16.00

Tuesday, 16 May, 14.30-16.00

Tuesday, 23 May, 14.30-16.00

Tuesday, 13 June, 14.30-16.00

Tuesday, 4 July, 14.30-16.00

Examination Date

Tuesday, 4 July, 14.30-16.00

Examination Format

Essay about the case study (2000 words)

| 3 ECTS Points | 30 |
| 2 SWS | 12 |

Course Content

This seminar offers a variety of theoretical concepts to describe different forms of socio-technical change and its related transformative dynamics. For example, Digitization is aligned with fundamental changes in socio-technical arrangements. But there are at the same further relevant dynamics, like transition processes, interacting moreover with each other. Thus, the different forms and mechanisms of these has to be analysed theoretically and has to be explored in their empirical heterogeneity. This seminar will present (1) fundamentals in theory to analyse socio-technical change and transformation processes, (2) different empirical cases which are instructive for transformation dynamics and their couplings, (3) selected forms of real-world experiments and real-world labs as means for inspire and realize transformative change.

The main objective of the module is to give students deeper insights into specific sociological analytics to think differently about technology and socio-technical change. To do so, this seminar is divided in two steps. The first step is getting an introduction into fundamentals of socio-technical thinking which in the last decade performed an 'experimental turn'. This will be done in the form of a literature course, reading and discussing relevant papers. The second step consists in a small case study selected and conducted by yourself. This is to use the intellectual tools offered in the course and thereby understanding their importance as well as their limits.

Learning Objectives

The main objective of the module is to give students deeper insights into specific sociological analytics to think differently about technology and socio-technical change. The second objective consists in the application of these concepts while exploring an individual project.

Elective compulsory modules

The increasing territorial complexity and issues with different structural and content-related priorities and the link with the foundations of other disciplines should lead to integrative and conceptual thinking. The elective compulsory courses are characterised by a broad spectrum of methodological, procedural, morphological, landscape architectural, ecological, legal, and economic aspects.

Integrated Project I
Sustainable University Campus Transition and Serious Gaming

Module Responsible

Chair of Urban Design and Institute for Urban Design and European Urbanism

Teaching Staff

Dr ir Ceren Sezer

Dates

Mondays, 13.00-17.00, SG 309

Examination Date

17 July 2023

Examination Format

Oral presentation (PowerPoint and poster) and project report

15 ECTS Points	30
4 SWS	12

Course Content

Research, policy and public debates have recognized climate change as an urgent issue to tackle through a systematic action plan. Scientific evidence shows that human behaviour contributes to climate change by using natural sources and producing direct and indirect carbon footprints (UN Nations, 2017). Urban climate challenges are multifaceted and require interdisciplinary and transdisciplinary collaborations to tackle these challenges (Allen-Gil et al 2005; OECD, 2015). Local-scale initiatives can efficiently raise climate change awareness and build communities' capacity for climate resilience action (Reicher and Kemme, 2009; Barnett et al, 2015; Niksic and Sezer, 2017).

University campuses may have a high impact on climate resilience as they accommodate various highly educated and skilled communities that are well organized through research and administrative bodies, student organizations, and workers' unions, among others (LealFilho et. al, 2018). Universities are also knowledge hubs well connected with industry and governments (Leal Filho et al. 2018). Universities are potentially able to create long-term strategies and plans (Loorbach, 2010).

There is an increasing number of attempts to develop university-wide strategies and action plans to combat climate change. The IDEA League universities' report on ,Sustainability and Climate Action on Campuses (September 2022) highlights several key themes, including eco camps, construction and renovation, energy systems, mobility, food and beverage, procurement and waste management, and digitalization.

Despite these extensive efforts on climate action, there are several challenges which limit to realization of the steps in these focus areas: the literature on sustainable development presents that this is because of the complexity of barriers and drivers and the lack of a holistic approach as an alternative to the current compartmentalized methods. Additionally, several initiatives and tools may help to evaluate and measure progress towards sustainable development (Verhoef and Bossert, 2019).

This module guides students in developing methods and strategies effective participatory strategies for sustainable university campus transformation. It connects knowledge from different fields to tackle the climate emergency and formulate short-, mid-, and long-term strategies and action plans for decarbonising university campuses. It uses scientific and data-driven methods for spatial analysis and design of the built environment, specifically open public spaces, their use and users, eco and energy landscapes, material, and mobility path and patterns. Additionally, the studio seeks to explore serious gaming as an effective tool for capacity building and decision-making.

© Ceren Sezer

Learning Objectives

- To develop a new insight into the drivers of climate change in the university campus areas using innovative research and methods based on stakeholder engagement;
- To analyze critically existing strategies, regulations, and policies at the university campuses and identify a range of effective practices addressing climate change mitigation,
- To perform climate and microclimate sensing campaigns to map threads and opportunities: sensors, data and networks link the artificial and natural elements of urban environments to connect citizens and decision-makers and to integrate ecological solutions into the built environment.
- To analyze public space types and morphologies at the campus areas
- To develop a climate change mitigation strategy operationalizing a new participatory model for inclusive strategies and action plans based on knowledge co-creation and co-design of solutions with stakeholders at the university level and beyond.
- Translation of strategies to public space interventions.

Reading Recommendations

Allen-Gil, S., Walker, L., Thomas, G., Shevory, T. and Elan, S. (2005), "Forming a community partnership to enhance education in sustainability", International Journal of Sustainability in Higher Education, Vol. 6 No. 4, pp. 392-402.

Chokhachian, A., Santucci, D., Auer, T. (2017) A Human-Centered Approach to Enhance Urban Resilience, Implications and Application to Improve Outdoor Comfort in Dense Urban Spaces. Buildings 2017/7, p. 113.

Dobbelsteen, A. V. D. (2021). The Regenerative City: Positive Opportunities of Coupling Urban Energy Transition with Added Values to People and Environment. In TransFEWmation: Towards Design-led Food-Energy-Water Systems for Future Urbanization (pp. 235-252). Springer, Cham.

European Commission. (2016). What is the Urban Agenda for the EU?

Reicher, C., Kemme, T. (2009) Der öffentliche Raum: ideen-konzepte-projekte (2009). Jovis:Germany.

Juraschek, M, Vossen,B. Hoffschröer, H, Reicher, C. (2018) Urbane produktion: ökotone als analogie für eine nachhaltige Werschöpfung in Städten, Interdisziplinare Perspectiven zur Zukunf der Werschöpfung, 195-207.

LealFilho, W., Raath, S., Lazzarini, B., Vargas, V.R., deSouza, L., Anholon, R., Quelhas, O.L.G., Haddad, R., Klavins, M. and Orlovic, V.L. (2018), "The role of transformation in learning and education for sustainability", Journal of Cleaner Production, Vol. 199, pp. 286-295.

Loorbach, D. (2010). Transition Management for Sustainable Development: A Prescriptive, Complexity-Based Governance Framework. Governance: An International Journal of Policy,

Administration, and Institutions, 23(2), 161-183.

Loorbach, D., Frantzeskaki, N., & Avelino, F. (2017). Sustainability Transitions Research: Transforming Science and Practice for Societal Change. Annual Review of Environment and Resources, 42(1), 4.1- 4.28.

Niksic, M and Sezer, C. (2017). 'Public Spaces and urban justice', Built Environment. 43(2),pp.165-173.

OECD. (2015). Pilot database on stakeholder engagement practices.

Piga, B. and Morello, E. (2015) Environmental design studies on perception and simulation: an urban design approach, Ambiances 1.

Santucci, D. (2022) Urban Microclimate Spatiotemporal Mapping: A Method to Evaluate Thermal Comfort Availability in Urban Ecosystems. Informed Urban Environments. Chokhachian, A., Hensel, M.U., Perini, K. (eds) The Urban Book Series. Springer, Cham.

Santucci, D., Chokhachian, A., Auer, T. (2020) Temporary Appropriation of Public Spaces: The Influence of Outdoor Comfort in Temporary Appropriation in Cities: Human Spatialisation in Public Spaces and Community Resilience. Melis, A., Lara-Hernandez, J. A.,Thompson, J. (eds.) Springer International Publishing, Cham.

Sezer, C. (2020) 'Visibility in public space and socially inclusive cities', in Public Space Companion, (eds) Vikas Mehta and Danilo Palazzo, Routledge:New York and London.

Steen, K., & Bueren, E. v. (2017a). The Defining Characteristics of Urban Living Labs. Technology Innovation Management Review, 7(7), 21-33.

Steen, K., & Bueren, E. v. (2017a). Urban Living Labs: A living lab way of working. Amsterdam, Amsterdam Institute for Advanced Metropolitan Solutions.

RWTH Aachen University (2021) Nachhaltigkeitsbericht 2021. Accessible at: https://magazines.rwth-aachen.de/de/sustainabilityreport/startUnited Nations (2017), "Sustainable development goals", availableat: https://unstats.un.org/sdgs (accessed 15 May 2018).

Verhoef and Bossert (2019) The University Campus as. Living Lab for Sustainability. Delft University of Technology publications.

Integrated Project II
Urban-Rural Development in Thüringen
Housing I Working I Mobility

Module Responsible

Chair of Urban Design and Institute for Urban Design and European Urbanism

Teaching Staff

Dr Maram Tawil, Fabio Bayro Kaiser,

Dr Verônica Garcia Donoso

Dates

Mondays, 12.00-18.00, SG 301

Excursion May 2nd, 2023 to May 7th, 2023

Examination Date

Mid-August 2023

Examination Format

Oral presentation (Poster) + Report

15 ECTS Points	30
4 SWS	12

Course Content

This course in general handles and provides students with the needed Know-How to tackle projects on a city scale. A structured base for addressing and handling challenges and projects on a city scale incorporates theoretical backgrounds on rural urban development in terms of crucial challenges of cities nowadays as in urban blight and urban decay. They will be further challenged to perceive the city within its adjacent sub urban and rural structures that could or shall cater for an integrated overall development.

The project will tackle the region of Thüringen, investigating its main challenges and coming up with a sustainable vision and strategies towards a sounder development and sustainable livable spaces. According to the "sustainable Month" CGE Erfurt e.V. (Culture Goes Europe Initiative), eastern Germany has been losing people in past years. Especially the smallest communities are aging residents, see little resources but to move to larger places to get essential services and urban infrastructure. Rural areas in

Thüringen are facing the threat of depopulation due to the demographical change, and therefore it is important for cities to accommodate the new demand from this population change and stay attractive (Podlaszewski, 2018).

The course will investigate the area in connection to the IBA Thüringen Abschlusspräsentation: StadtLand that will take place on the 5th of May 2023. An excursion to get introduced to the IBA undertakings and to investigate a case study of the region, Apolda City will be planned from May the 2nd until the 7th. the aim is to capture the dynamic and the status quo as well as to position the challenges within the urban-rural structures. The investigation will go through in-depth analysis to research the opportunities in face of the challenges the city and region are facing, and come up with urban strategic solutions and tailor-made strategies that can cater for more sustainable development.

Learning Objectives

The course will empower the students with the needed skills and Know-How to be able to develop and manage urban challenges on an interregional scale and develop tailor made strategies and solutions through the representation of the multidimensional plans.

The students will achieve to understand transformation processes on a city scale in terms of their urban rural opportunities and their economic and social impact for the full region. The students will demonstrate that they can work individually and in groups and are able to analyse current situations, develop visions and scenarios to conduct a full project on a defined challenge. The students will work in teams and individually to develop their soft skills in communication, design thinking and public presentation and discussion.

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Integrated Project III
Circular Economy and Cross-Border Mobility Corridors in the Eurodelta

Module Responsible

Chair of Urban Design and Institute for Urban Design and European Urbanism

Teaching Staff

Fabio Bayro Kaiser

Dates

tba

Examination Date

tba

Examination Format

Oral presentation + posters

15 ECTS Points	30
4 SWS	12

Course Content
The Eurodelta is Europe's most densely urbanized and highly interconnected territory. It stretches from the Netherlands to Belgium, Germany, Luxemburg, and France, and has more than 45 million inhabitants. In this context, cross-border approaches play a key role.

The goal of the project is to propose visions for a circular economy and cross-border mobility corridors in the Eurodelta and to think about the impact of such a fully connected territory. Participants are urged to work strategically towards social, economic and cultural nodes and zones while thinking about the meaning of borders. From the megaregion scale, the project will focus on the creation of thematically appropriate systems within an all-connecting linear superstructure. In the final step, focal points will be detailed, providing zoom-in spots for a better understanding of the structure.

Learning Objectives
Participants will be able to develop and manage a design and solution-oriented project of a multiregional scale. Participants will be able to understand transformation processes from a city scale to a cross-border context and their economic and social impact on the region. Participants will demonstrate that they can work in groups and are able to analyse current situations and to develop visions and scenarios for a defined task. The students will work in teams to develop their soft skills in communication, design thinking and public presentation and discussion.

Research Module
Rethinking Amazon Cities from Rondônia State

Module Responsible

Chair of Urban Design and Institute for Urban Design and European Urbanism

Teaching Staff

Dr Verônica Garcia Donoso

Dates

Fridays, 14.00-16.00, SG 309

Examination Format

Oral presentation and book chapter

6 ECTS Points	30
2 SWS	12

Course Content

Vegetation areas provide relevant ecosystem services and have been under intense human pressure in recent decades. The Brazilian Amazon forest area reduced by 44,1 Mha from 1985 to 2021, an area that is almost Germany, Netherlands and Belgium together. The cities in the Amazon region, which lack ecological thinking, face a disconnection between the biophysical and ethnical reality.

Our research question is: if we could rethink a city in the Amazon region, aligned with ethno-ecological thinking, how would it be like?

This course uses the GIS application to model data; the participants will analyze and organize creative maps and graphics of Amazon cities from Rondônia state. The module shall give the participants an overview of the Amazon region (the natural environment and the ecological global importance) and also support the ethno-ecological planning of the region. The most dedicated students will be invited to participate on a book chapter.

Learning Objectives

The module aims giving insights about the challenges on the Amazon region. The students will develop ethno-ecological planning skills and critical thinking. Also, participants will be working with GIS software. Many topics will be addressed, while the key issues are deforestation, urban growth and conscious planning. Interdisciplinary teamwork is encouraged.

Rethinking Amazon Cities

Research Module /
2x Elective Courses
Uuurble - Plattform for virtual City Exploration

Module Responsible
Chair of Urban Design and Institute for Urban Design and European Urbanism

Teaching Staff
Fabio Bayro Kaiser, Caner Telli, Dr Liliana Iuga

Dates
Thursday, 20 April 2023, 10.00-12.00: kick off meeting, SG301
Thursday, 27 April 2023, 10.00-14.00: choosing the cities, SG301
Thursday, 11 May 2023, 10.00-14.00: consultation, SG301
Thursday, 25 May 2023, 10.00-14.00: intermediate presentation, SG 301
Thursday, 15 June 2023, 10.00 -14.00: consultation, SG 301
Thursday, 29 June 2023, 10.00-14.00: consultation, SG 301

Examination Date
Thursday, 13 July 2023, 10.00-14.00: final presentation, SG 301
Thursday, 20 July 2023, until 18.00: upload of the results

Examination Format
Oral presentation

| 6 ECTS Points | 30 |
| 2 SWS | 12 |

Course Content
The skyline of Manhattan, the backyards of Berlin, the sea of houses in Tokyo or the alleys of Venice; the city center of Le Havre, residential areas in Bangalore, India, Las Vegas Boulevard or buildings from the 1960s in Tbilisi, Georgia - in the disciplines of architecture and urban planning or geography and landscape architecture, the examination of exemplary buildings or urban spaces is an integral part of education. However, it is not always possible to travel to these places and sufficient specialist literature is not available. That is why the Department of Urban and Spatial Development, in cooperation with the Institute for History and Theory of Architecture and the TU Braunschweig, has developed Uuurble. As Chair of Urban Design, we are pleased to offer the research field Uuurble in the coming semester and to become part of this cooperation.

Uuurble is an internet-based platform dedicated to the research and description of cities and urban neighbourhoods. It allows self-produced texts, graphics, photos and videos to be interactively linked to the imagery of the online map service provider Google Maps. In this way, interesting places around the world can be described and visited by all users of the website.

The course is aimed for students who would like to publish their own contributions on the platform. The location can be freely chosen in consultation with our department. Editing will be done in groups of 2-3 and will be brought to publication readiness with the support of our department.

Learning Objectives

The course aims to develop students' skills in research and analysis of cities and urban neighborhoods, as well as their ability to create and publish their own multimedia content using the Uuurble platform. The course also emphasizes collaboration and teamwork, as students will be working in groups of 2-3 to edit and finalize their contributions for publication. Additionally, the course provides opportunities for students to explore different cultural and architectural contexts, as they choose and research their own locations for their contributions.

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Research Module
Agility in Infrastructure & Space

Module Responsible

Chair of Planning Theory and Urban Development

Teaching Staff

Dr Agnes Förster, Dr Robin Chang

Dates

Wednesdays, 9-11 Sessions, 14.00 – 15.30, SG 317

12.04.2023; 19.04.2023; 26.04.2023; 03.05.2023; 10.05.2023; 24.05.2023; (07.06.2023); 21.06.2023; (28.06.2023); 05.07.2023; 12.07.2023

Examination Format

Scientific Poster Presentation and submission of their own scientific article text, and video or cartoon abstract

6 ECTS Points	30
2 SWS	12

Course Content

In the context of sudden crises (such as natural disasters) and challenges with longer horizons (including but not limited to digitalisation or regeneration), a wide range of infrastructure and spaces are made available to serve the needs of local public administrations and citizens. Increasingly, the value for agility is becoming vital for the flexible and adaptive qualities of how communities respond to these challenges. But what does the integration of agility mean for infrastructure and space? What are the drivers, enablers, or capabilities that it implies? How does it look on the ground or in practise? How could it look as a part of development or response processes?

This research field module will introduce students to the concept of agility and encourage students to explore how it is changing space or represented in space. Students will develop their own research questions and conceptual frameworks by drawing on literature. As well, students will become familiar with basic research work and methods that allow them to better understand its relevance for the built and lived environment.

Learning Objectives

Students will be able to design, conduct, and implement their own mini-research project in relation to the title topic. Students will become familiar with the creation and presentation of scientific posters, articles, abstracts.

Recommendations

This research field module will also partner with other project and course events, including: TU Hambach: https://www.reviera.rwth-aachen.de/cms/reviera/Aktivitaeten/~wmsti/TEST-KATJA/; Pt.Talks: https://www.pt.rwth-aachen.de/cms/PT/Forschung/Pt-Talks/~coqhw/Pt-Talks-Events/lidx/1

Research Module / 2x Elective Courses
Data-Based, Scenario-Driven Urban Design

6 ECTS Points   30

2 SWS   12

Course Content

The course "Data-based, scenario-driven urban design for transforming city regions" focuses on the increasing complexity of spatial processes and the need for digital methods in urban planning education. It aims to enhance traditional digital analysis tools by integrating the design and evaluation phase in the teaching format of a research module to be conducted in the third semester of the TCR programme. The course builds on the analytical skills of students and envisions advanced data-based, scenario-driven applications for the later phases of the projects.

The course covers topics such as using QGIS and Rhino in combination with the pug-in Rhino for spatial analysis, the limitations of BIM-based modeling tools for large-scale urban design and regional planning, and new tools for presenting designs more comprehensively. The goal of the course is to bridge the gap between analytical findings and conceptual and design proposals as well as to provide new digital experiences for TCR students.

Learning Objectives

By the end of the course, you will have developed a deep understanding of Rhino/Grasshopper and parametric design principles, allowing you to create complex scenario modelling designs with ease.

Module Responsible

Chair of Urban Design and Institute for Urban Design and European Urbanism

Teaching Staff

Caner Telli, Motez Amayreh

Dates

Kick Off Session: 05.04.2023, 8.30, SG 309
First Module: 05.04.2023 – 26.04.2023, (Three weeks)
Submission: Tuesday: 25.04.2023
Feedback: Wednesday: 26.04.2023, 9:00
Second Module: 26.04.2023 – 31.05.2023, (Five weeks)
Submission: Thursday: 25.05.2023
Feedback: Friday: 26.05.2023
Third Module: 31.05.2023 – 05.07.2023, (Five weeks)
Submission: Tuesday: 04.07.2023
Feedback: Wednesday: 05.07.2023
Fourth Module: 05.07.2023 – 26.07.2023 (three weeks)
Submission: Tuesday: 25.07.2023
Feedback: Wednesday: 26.07.2023
Fifth Module: Wednesday: 02.08.2023 – Thursday 03.08.2023

Examination Date

Thursday 03.08.2023

Examination Format

Essay & oral presentation

Field Trip
Neapolitan Complexity: the Everyday Life of a UNESCO World Heritage Site

Module Responsible

Chair of Urban Design and Institute for Urban Design and European Urbanism

Teaching Staff

Dr Stefano Cozzolino, Fabio Bayro Kaiser, Dr ir Ceren Sezer

Dates

Excursion to Naples: May 30–June 3

Examination Date

July 6th, 2023

Examination Format

Oral presentation + A5 Brochure

3 ECTS Points	30
2 SWS	12

Course Content

The city of Naples is distinguished by a remarkable abundance of historical and cultural elements, as well as a morphological and social complexity that is scarcely paralleled elsewhere. This intricacy is marked by a multitude of contradictions, including a vibrant social and cultural vitality juxtaposed with persistent social issues such as poverty, inadequate building maintenance, and suboptimal waste management practices. Furthermore, recent political critiques at the local level have jeopardised Naples' UNESCO standing.

The proposed excursion is an integral component of the elective seminar titled "Unfolding City Complexity" under the guidance of Stefano Cozzolino. By leveraging the insights of Jane Jacobs, students will develop their analytical abilities to explore the interplay between the physical (tangible) and social (intangible) environments, and the ways in which they intersect. The seminar will explore the spontaneous order concept, that is, the emergence of social and spatial patterns (e.g. local culture, habits, social norms, etc.) that influence city dynamics and people behaviours/interactions. The peculiarities of these patterns is that 1) they are not the result of planning but emerge and stratify over time from a multiplicity of uncoordinateed actions, and 2) are dynamic and open to changes. Given its multifaceted socio-spatial complexity, Naples provides a prime and fitting case study for achieving the seminar's objectives.

The excursion will take place from May 20 until June 3, during the RWTH excursion week, and will focus on the Quartieri Spagnoli (Spanish Quarter).

Learning Objectives

To have a concrete experience and grip on the urban life within a UNESCO World Heritage Site and develop a deep awareness concerning the opportunities, controversy and problems.

To explore the meaning of heritage in its intangible and tangible forms and how they interrelate and influence each other.

To study and analyse a highly complex urban environment both from a morphological and social perspective, and therefore combining the theoretical and practical insights

To have a practical investigative field experience, combining multiple analytical methods (e.g. interviews, photography, mappings, morphology) and learn how to visually and verbally communicate the outcomes.

Reading recommendations

Jacobs, J. 1961. Death and Life of Great American Cities. New York: Random House.

Additional readings will be provided throughout the semester.

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Field Trip
Fluidity

Module Responsible

Chair of Urban Design and Institute for Urban Design and European Urbanism

Teaching Staff

Dr Maram Tawil, Fabio Bayro Kaiser

Dates

Fieldtrip in April and May 2023 – to be determined

Examination Date

28.6.2923 – 5.7.2023

Examination Format

Oral presentation + essay of 1500 words

3 ECTS Points	30
2 SWS	12

Course Content

This course provides with an accumulative knowledge on how socio-economic challenges in cities and regions can be investigated and surveyed and brought into a strategic framework. The objectives of this course are to enable students to in-depth analysis of crucial challenges facing cities nowadays, and empowering them through the needed skills and tools to conduct such research with a clear ground base process. Such will be tackled through investigating how fluid approaches can reshape local culture and identity and promote opportunities towards more resilient development. To envision such a change, elevating and narrowing down typologies of cultural urban change affected and influenced by migration flows will be the topic of the fieldtrip. Furthermore, the research investigates in depth the potentials and challenges towards resilient and more inclusive societies, on the one hand, and more options for vibrant and dynamic settings, on the other.

The module is organized in three parts. It begins with a theoretical introduction on fluid communities and research in migrants' settings. It will further discuss the different types of methods in empirical research whether qualitatively or quantitatively. Throughout the course, the importance and the need to identity social inclusion/exclusion problems and their impact on urban change and urban transformation will be highlighted. This second part will incorporate given methodologies and ground info to tackle the questions of research in defined tools of empirical research. As a third part, the course will provide with the didactical empirical research layout within which, a fieldtrip will be conducted.

Learning Objectives

The course will aim at introducing the students to new challenges of city development through a sound empirical research method where questions

of research reach a consensus through the process. It will be delivered through structured stages of lectures, discussions and field survey trips with defined projected outcomes.

The assignment for this module is a scientific essay illustrating the, problem definition, methodological concepts, analysis of the selected case studies and the resulting findings. It will be accompanied by an oral examination through a power point presentation highlighting the main levels of investigation and findings.

Reading Recommendations

John Creswell (2009): Research Design, Qualitative, quantitative and Mixed Methods Approaches, Third Edition, Sage, Los Angeles, London, Bew Delhi, Singapore

Jean Hillier (2007): Stretching beyond the Horizon

Edger (2020): Handbook on Planning and complexity

Torill Nyseth (2012): Fluid Planning: A Meaningless Concept or a Rational Response to Uncertainty in Urban Planning? DOI: 10.5772/35098 · Source: In Tech

Jean Hillier (2008): Plan(e) speaking: A Multi Planar Theory of Spatial Planning, SAGE Publications

Http://plt.sagepub.com

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Field Trip /
2x Impromptou Courses
Socialist Architecture of the GDR

Module Responsible
ICOMOS EP Workshop 2023

Teaching staff
Dr Liliana Iuga , Marie Enders

Dates
Workshop, 3-5 April, Cottbus
Follow-up meeting, tba, Aachen

Examination date
tba

Examination format
tba

Participation can be credited as an Impromptu (1,5 ECTS) and with optional post-editing of the results as two Impromptu (2*1,5 ECTS) or a Field Trip (3 ECTS).

3 ECTS Points

2 SWS

Course Content

„Historic buildings and sites help reinforce social cohesion and consolidate values and theories that frame heritage. In this regard, the workshop addresses socialist architecture in the typological development of East German cities, using the example of the Stadthalle Cottbus and its immediate surroundings. It aims to analyse and discuss the positive and cohesive power of shared cultural heritage and values with the aim of strengthening the social fabric of Cottbus. The Stadthalle was created as part of a comprehensive redesign of the core city in the style of the socialist city. In GDR times such buildings could sometimes only be built under adventurous conditions. For a long time, among other things due to a chronic shortage of materials, the people of Cottbus saw but a huge hole in the city centre, which they named „Open-cast mining centre". When finished in 1975, it stood as a large event hall in the city of Cottbus and it is still the largest building of its kind in the federal state of Brandenburg. After the fall of the Iron Curtain, there were discussions if GDRtime socialist buildings should be maintained in their form, demolished or if new buildings of more spectacular architecture should be built in their place. In the case of the Stadthalle, its architectural features such as acoustic ceiling and ceiling lights in the upper foyer, facade elements and the coloured frieze at the back of the hall were retained in the course of an extensive renovation. Other public buildings of GDR origin faced a different fate.

For this reason, we would like to investigate the relation between the citizens of Cottbus and their built heritage from GDR times, specifically the Stadthalle, to understand the connection people have with this contentious structure. The workshop is limited to 20 participants. The outcome of the workshop will be presented at the workshop "Socialist Modernism in Central and Eastern Europe" (20 April)." (ICOMOS, 2023)

ICOMOS Workshop 2023
3-5 April - BTU Cottbus

A three day long workshop located in Cottbus with a focus on the architectural heritage of the GDR, taking the case study of the Stadthalle.

Apply for participation by scanning the QR-Code and carefully filling out your application.
The workshop will be limited to 20 talented individuals, based on their applications.

For questions please email: epwg@icomos.de

Final outcomes will be presented at ICOMOS Socialist Modernism in Eastern Europe Workshop on 20th April.

STADTHALLE COTTBUS
SOCIALIST ARCHITECTURE OF THE GDR

b-tu Brandenburg University of Technology Cottbus - Senftenberg

ICOMOS
international council on monuments and sites

Impromptou Course
Master Thesis Outline

Module Responsible

Chair of Urban Design and Institute for Urban Design and European Urbanism

Teaching staff

Fabio Bayro Kaiser

Important dates of the course

Tuesday, 25.04, 16.00–17.30; Introduction, SG 309

Tuesday, 09.05, 16.00–18.00; Focus session 1: problem statement, SG 309

Tuesday, 16.05, 16.00–18.00; Focus session 2: research question(s), SG 309

Tuesday, 23.05, 16.00–18.00; Focus session 3: method(s), SG 309

Tuesday, 13.06, 16.00–19.00; Peer review session, SG 309

Tuesday, 27.06, 16.00–18.00; Final presentation, SG 309

Examination date

Tuesday, 27.06, 16.00–17.30, SG 309

Examination format

Oral presentation + extended abstract

1,5 ECTS Points	30
0,5 SWS	12

Course Content

Do you intend to tackle the master thesis next semester? Good! But first, you need to outline your research design. This seminar will teach you how to develop a research design and present it in a convincing way. It is divided into five parts. The first session introduces the scope of the seminar and discusses the basics of developing a research design. The following three are working sessions. They begin with participant pitches, followed by group work, and end with revised pitches. The first session focuses on the problem statement, the second on the research question(s), and the last on the method(s). The fourth session will be in colloquium format. Participants will submit a draft in advance, which will be read by assigned discussants—who will also be participants. During this session, each proposal will be briefly presented and commented on by the discussants. The seminar will conclude with an oral presentation and the submission of an extended abstract of 1500 words (excluding references). The resulting text can be used to apply for the master thesis.

Learning Objectives

Participants in this seminar will be able to develop a research design by identifying a research problem, formulating research questions, and selecting appropriate research methods. Participants will also be able to discuss issues in multidisciplinary groups and present research ideas in a convincing way.
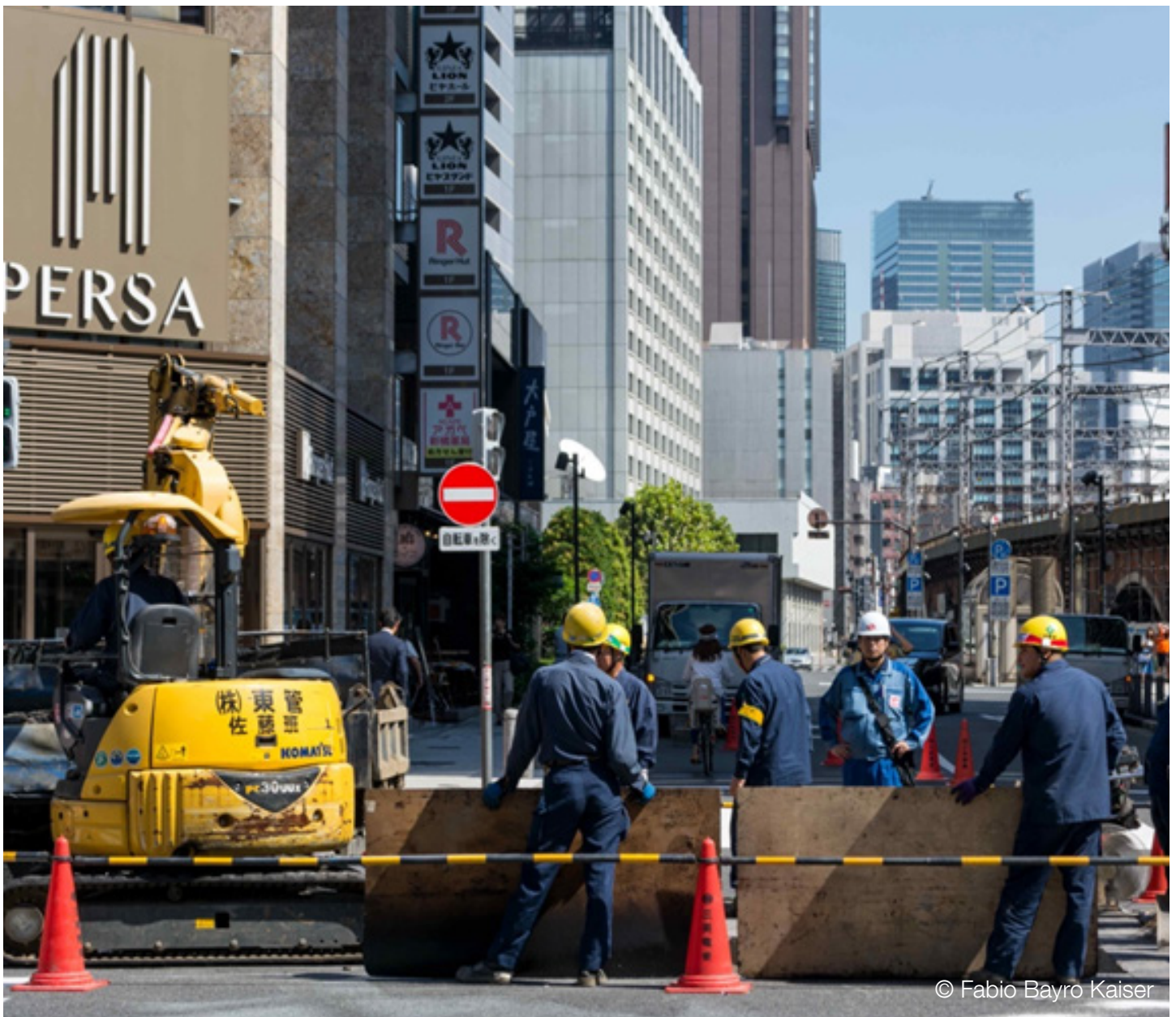
Reading recommendations

Bryman, Alan (2012): Social research methods. Oxford Univ. Press

Giseke, Undine; Million, Angela; Misselwitz, Philipp; Stollmann, Jörg (Eds.) (2021): Urban design methods: integrated urban research tools. Berlin, Boston: JOVIS Verlag GmbH

Reicher, Christa (2022): Urban Design. Wiesbaden: Springer Fachmedien

Rydin, Yvonne (2021): Theory in Planning Research. Singapore: Springer Singapore

Yin, Robert K. (2018): Case study research and applications design and methods. Los Angeles, London, New Delhi, Singapore, Washington DC, Melbourne: SAGE

Impromptou Course
Pt.Talks

Module Responsible

Chair of Planning Theory and Urban Development

Teaching staff

Martin Bangratz

Important dates of the course

Wednesday, 19.4.2023, 15.00-16.00, Zoom (Introduction)
Wednesday, 3.5.2023, 17.30-19.00, Zoom
Wednesday, 31.5.2023, 17.30-19.00, Zoom
Wednesday, 5.7.2023, 17.30-19.00, Zoom

Examination date

Friday, 4.8.2023

Examination format

Written assignment

| 1,5 ECTS Points | 30 |
| 0,5 SWS | 12 |

Course content

The aim of this Stegreif is to engage in meaningful conversations about various topics in the area of planning theory and urban development with young scholars from a range of international institutions and disciplines. Participants will be invited to attend three Pt.talks, a new event series by Pt with the aim to foster a scientific and public discourse about current and emerging critical topics in urbanism. Within the guiding theme of global challenges for sustainable urban development, we see this format as an opportunity to explore new areas of research from different perspectives.

Each talk will feature a young researcher giving a talk on a specific topic and provide for informal, open discussion among all guests. The format can give students an opportunity to network across thematic and geographical boundaries, exchange feedback, and be inspired by new inputs and discussions. Students attending this Stegreif will produce summaries of each talk, supplementing their own conclusions by relating them to each other and to general topics of planning theory.

Learning Objectives

An understanding of current and emerging topics in urbanism.
An opportunity to develop own ideas, contribute and network with researchers.

Elective Courses

The elective courses supported by a multidisciplinary teaching staff are characterised by a broad spectrum of methodological, procedural, morphological, landscape architectural, ecological, legal, and economic aspects.

Elective Course
Unfolding City Complexity

Module Responsible

Chair of Urban Design and Institute for Urban Design and European Urbanism

Teaching Staff

Dr Stefano Cozzolino

Dates

Thursdays, 14.00-16.00, SG 301

Beginning - First week of Aprile (start)

Excursion - Last week of May/first week of June

Exam – First week of July

Examination Date

July 6th, 2023 (subject to change)

Examination Format

Oral presentation

3 ECTS Points	30
2 SWS	12

Course Content

The complexity of a city can be observed in spatial arrangements, the daily routines of its inhabitants, and the unique character of local areas. Urban complexity is evidenced in the composition of physical artefacts, social patterns, and the type and distribution of activities. Notably, this complexity is expressed through the intricate interactions and mutual influences between morphological, social, and functional systems.

A multitude of questions surround this topic: why do certain areas exhibit higher levels of attractiveness than others? What makes certain streets more appealing than others? Why do some parks thrive while others fail? Why do specific economic activities cluster together, and how do primary urban functions shape their surrounding areas? These and many other inquiries will be the focus of our semester investigation.

In this course, students will develop analytical methods to assess urban complexity at the local scale. The course aims to achieve two key objectives: (I) to examine the primary factors and conditions that influence the spontaneous functioning of urban contexts; and (II) to visually represent urban complexity and disseminate its comprehension to a broader audience. The seminar will be marked by a collaborative learning process. Students will work in small groups to explore the spontaneous order of specific urban areas. The discussion of urban complexity and development will be based on Jane Jacobs's work, "The Death and Life of Great American Cities." The course will include a thematic field trip aiming at providing a practical understanding of the principles and concepts covered in the seminar.

Learning Objectives

- To acquire proficiency in interpreting spontaneous urban orders and functioning
- To cultivate the skills necessary to unravel the intricate interrelationships between morphological, social, and economic systems
- To employ and integrate multiple research and analytical investigation methods
- To generate highly professional analyses that are accessible to both experts and non-experts alike
- To innovatively develop the most effective dissemination strategy based on the specific peculiarities of the chosen case study

The final evaluation will consider the following aspects:
- Active participation throughout the semester, including in discussion rounds
- Quality of the case study's analysis and interpretation
- The final presentation and ensuing discussion

Reading recommendations

Jacobs, J. 1961. Death and Life of Great American Cities. New York: Random House.

Additional readings will be provided throughout the semester.

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Elective Course
Transurban Residency - Urban Practice

Module Responsible

Chair of Urban Design and Institute for Urban Design and European Urbanism

Teaching Staff

Margrit Miebach

Dates

Prelude/ Introduction: Tuesday, 18.04.2023, 10.00-12.00, SG 301

Site visit in Krefeld: date to follow (Inspection of the intervention field and first exchange with the artists)

Excursion week in Krefeld: Monday 05.- Friday 09.06.2023 (Analysis and design, interim presentation and artist exchange)

One-time supervision opportunity, revision: Tuesday, 20.06.2023, 10.00-14.00, SG 301

Examination Date

Tuesday, 04.07.2023, 10.00-12.00, SG 301 (Final submission)

Examination Format

Poster and oral presentation

| 3 ECTS Points | 30 |
| 2 SWS | 12 |

Course Content

The TRANSURBAN Residency - building common spaces is a supra-regional cooperation project at the interface of urban art and participatory urban research. The residency programme for artists and urban researchers is a programme component of the NRW-wide platform TRANSURBAN - Urban Art in NRW. Designed as a three-year format, the residency travels through the cultural regions of the federal state. Tested as a pilot in Cologne Ehrenfeld in 2019, it was launched in 2021 with the first programme route in the Ruhr region - in Gelsenkirchen and Dortmund - to be continued in 2022 in Ostwestfalen-Lippe in Bielefeld. For 2023, the project cities of Krefeld and Duisburg will move to the Lower Rhine. An alliance of non-profit associations - the Krefelder freischwimmer e.V. and the Soziokulturelles Zentrum Stapeltor / 47 e.V. - in cooperation with the City of Krefeld and the City of Duisburg will develop, finance and design an interdisciplinary, modular programme consisting of research modules, artistic interventions, a cultural and discursive framework programme as well as large-scale exhibitions in the public spaces of the two partner cities. The programme extends over a period of six months with internal and public programme sections. The initiating research, design and networking phase develops into the residency programmes, each lasting four weeks and inviting the public to explore and appropriate the urban space.

Learning Objectives

The seminar focuses on the project city of Krefeld. The context in Krefeld is an integrated mobility concept as well as a cultural-historical urban planning analysis of the ramparts in the city centre. Topics such as the "obsolete car city", transformation of traffic areas and unsealing of surfaces are among the focal points. Within the seminar, there will be a regular exchange with

the artists of the TRANSURBAN residency, who will develop their first drafts and approaches for the residency phase that follows on from the research phase. The artists work in the field of temporary architecture and mobile/ modular installations.

Within the seminar, a section of the Krefeld Westwall will be researched, in which interventions will also take place within the TRANSURBAN residency. The research is divided into the modules analysis, design and presentation. The research will be accompanied by an exchange with the residency artists.

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ENHANCE

„Together with six other leading technical universities, RWTH Aachen University has founded the European alliance EN-HANCE – European Universities of Technology Alliance." (RWTH, 2023)

ENHANCE
European Education Pathways

Partner Universities

RWTH Aachen Universtity

Chalmers University of Technology

Norwegian University of Science and

Technology

Politecnico di Milano

Technische Universität Berlin

Universitat Politècnica de València

Warsaw University of Technology

Facts & Figures

7 Partner universities

5 study programmes

Hundreds of pre-approved courses

Automatic recognition of ECTS credits

Embedded virtual mobility

Two-semester mobility funded

„**What are the European Education Pathways?**
The European Education Pathways are part of the ENHANCE vision of creating One European Campus among the partner universities. European Education Pathways are a system of shared learning goals and outcomes, a subject mapping tool that allows students to select courses across all educational offers of the partner institutions.

Through this initiative, the ENHANCE Alliance promotes a seamless physical and virtual mobility giving the students the opportunity to take curricular courses within their study paths from the educational offer of several partner universities.

The courses offered within the European Education Pathways are pre-approved and the recognition of ECTS credits is guaranteed.

The ENHANCE Alliance foresees extending the number of study programmes involved, providing partner institutions with a framework for deeper international cooperation and exchange and an increasing number of students with a wider European experience."
(ENHANCE, 2023)

„**Which are the Benefits of Enhance?**
- Become part of the ENHANCE Alliance
- Design your personal education pathway by choosing from the offer of the leading European universities of technology
- Access the catalogue of pre-approved courses specially selected by all the universities of the ENHANCE Alliance
- Build your own study plan without difficulties by selecting from the list of courses inside the EEPs Catalogue. All of them have been pre-approved by

your home institution.

- Enjoy the pre-approved of ECTS credits. You do not need to worry anymore about getting your ECTS recognised by your home university
- Upon your return, the ENHANCE partners automatically recognise ECTS obtained abroad and your transcript will be updated"
(ENHANCE, 2023)

Courses

- Social Ecological Urbanism, Chalmers
- Methods for Participatory Planning, Co-Design and Localizing SDGs, NTNU
- Globalisation and Urban Development, NTNU
- City And Territory: Intervention Instrument, UPV
- Digital Modelling, WUT
- Planning Theory A - Plannig as Political Process 1, TUB
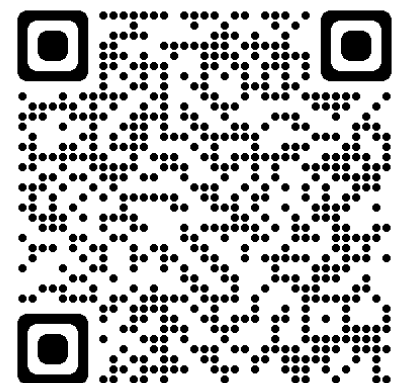- Global Urban Challenges: Concepts and Context, Polimi

... and many more!

Recommendations

https://enhanceuniversity.eu/

https://www.rwth-aachen.de/cms/root/studium/Im-Studium/Internationales/Outgoing/Studium-im-Ausland/~qilvx/ENHANCE-European-Education-Pathways/?lidx=1

Check this for further information!

Impressum

Contact

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