

Vorlesungsverzeichnis

(Angebot für das 2. Fachsemester)

Masterstudiengang

„Urbane Kultur, Gesellschaft und Raum“

Sommersemester 2019

Aktuelle Informationen finden Sie immer im LSF!

**Bitte informieren Sie die DozentInnen oder angegebenen
AnsprechpartnerInnen über Ihre Teilnahme per Email.**

Falls es kurzfristige terminliche Überschneidungen zwischen den wöchentlichen Veranstaltungen und den gewählten Blockseminaren gibt, kontaktieren Sie bitte die für die wöchentliche Veranstaltung verantwortlichen DozentInnen. Bitte sagen Sie den DozentInnen, dass Sie an einigen wenigen Terminen eine andere Veranstaltung besuchen möchten. In der Regel können Sie dann die Inhalte der verpassten wöchentlichen Veranstaltung nachholen.

Auf die Terminierung von Prof. Werheim und Frau Kalter (beide Fak. für Bildungswissenschaften) haben wir keinen Einfluss!

Strukturaufbau des Master-Studiengangs "Urbane Kultur, Gesellschaft und Raum"

Sem.	WS/SS	Modul	CP	SWS	Masterstudiengang "Urbane Kultur, Gesellschaft und Raum"	
1.	WS	1	15	8	Modul 1: Integrationsmodul I - Introduction to Urban Systems ----- 1.1: Key Issues in Urban Systems (VO) ----- 1.2: Introduction: Sustainable Urban Development/Technologies (VO/SE) ----- 1.3: Introduction: Urban Culture, Society and Space (VO/SE) ----- 1.4: Introduction: First Steps into Urban Planning/ Integrated Urban Development (VO/SE) ----- Modul 2B: Grundlagenmodul - Urbane Kultur, Gesellschaft und Raum (zu absolvieren sind 2 Lehrveranstaltungen aus unterschiedlichen Fachgebieten) Modul 3B: Interdisziplinäres Ergänzungsmodul - Sustainable Urban Dev. I	
			3	2		
			4	2		
			4	2		
		2+3	10+5	4+2		
2.	SS	4	10	6	Modul 4: Integrationsmodul II - Projektseminar: Applied Research Project (intern) ----- Modul 5B: Aufbaumodul - Urbane Kultur, Gesellschaft und Raum (zu absolvieren sind 3 Lehrveranstaltungen aus unterschiedlichen Fachgebieten) Modul 6.B: Interdisziplinäres Ergänzungsmodul - Sustainable Urban Dev. II	
		5+6	15+5	4+2		
3.	WS	7	20		Modul 7: Praxis-Projekt (extern; drei Monate) ----- Modul 8B: Vertiefungsmodul - Urban Kultur, Gesellschaft und Raum (zu absolvieren sind 2 Lehrveranstaltungen aus unterschiedlichen Fachgebieten)	
		8	10	4		
4.	SS	9	30		Modul 9: Master-Arbeit	
Σ disziplinär (ohne MA-Arbeit)			30	14	Anmerkungen: (1) Interdisziplinäre Ergänzungsmodule: Dienen dem Erwerb komplementärer urbanistischer Kompetenzen aus anderen Fachkulturen (2) Grundlagen-, Aufbau- und Vertiefungsmodule: Es werden jeweils mehrere Veranstaltungen (je 5 CP) zur Auswahl angeboten (individuelle Profilbildung).	
Σ Integration			30	12		
Σ Ergänzung			10	4		
Master-Arbeit			30			
Praxisprojekt/Praktikum (Modul 7)			20			
Σ			120	30		

Überblick

Urbane Kultur, Gesellschaft und Raum				
Nr. des Moduls	Veranstungstitel (Sprache)	Dozent/in	Termine/Turnus/(Uhrzeit)	Veranstungstyp
4	Integrative Module II – Practically oriented seminar (Pflichtbelegung)			
4	Urban Development and Quality of Life - Assessing the European Green Capital Essen (2017) (compulsory)	Wehling	mondays (weekly) 9.30am until 6pm. April 8 th until July, 8 th , 2019	Seminar (project)
5B	Aufbaumodul - Urbane Kultur, Gesellschaft und Raum (zu belegen sind 3 Veranstaltungen aus der Liste)			
5B.1	Urban Imaginaries (en)	Gurr	Daily from March, 25th until March, 28th between 9am and 4pm	Seminar/Blocks (you have to visit all blocks)
5B.2	Sustainability Science & Urban Transitions (en)	Krumme	Between April, 1 st and April, 5 th ; always between 10am and 5 pm	Block (you have to visit all blocks)
5B.3	Low Carbon Society - Roadmapping for Sustainability Transitions at Local and Regional Level (en)	Schüle, Wuppertal Institut	Block 1(Campus Essen) April, 11th (Thu); 1.30pm until 4pm Block 2(Campus Essen) May, 2nd (Thu); 1.30pm until 4pm Block 3 (Campus Essen, optional) May, 9th (Thu); 1.30pm until 4pm Block 4 (Wuppertal): June, 27th (Thu); 2pm until 5pm Block 5 (Wuppertal): July, 4th (Thu); 2pm until 5 pm Block 5 (Wuppertal): July, 5th (Fr); 8.30am until 12.30pm Block 6 (Wuppertal): July, 11th (Thu); 2pm until 5pm	Block (you have to visit all blocks)
5B.4	Stadtentwicklung und Raumsoziologie (de)	Jan Wehrheim	Freitags (wöchentlich), 14 bis 16 Uhr	Seminar
5B.5	Sozialraum und Quartiermanagement (de)	Kalter	Freitags 3.5.2019; 14 bis 18 Uhr 17.5.19; 12 bis 16.00 Uhr 31.5.19; 12 bis 16.00 Uhr 14.6.19; 12 bis 16.00 Uhr 28.6.19; 12 bis 16.00 Uhr 12.7.19; 14 bis 18.00 Uhr	Seminar

De= deutsch; en-englisch; gelb= empfohlen

Urbane Kultur, Gesellschaft und Raum				
Nr. des Moduls	Veranstaltungstitel (Sprache)	Dozent/in	Termine/Turnus/(Uhrzeit)	Veranstaltungstyp
5B	Aufbaumodul - Urbane Kultur, Gesellschaft und Raum (zu belegen sind 3 Veranstaltungen aus der Liste)			
5B.6	Conflict Management in Spatial Planning (en)	Schmidt-Kallert	2 Wednesdays: June, 5th and June, 12th 9:00 am – 4.30pm	Seminar/Blocks (Simulation Game) (please visit all specified appointments/all blocks)
5B.7	Urbanization of the developing world – views from geography (en)	Schneider	5 Blocks: Block 1: April, 10th (We) Block 2: April, 17th (We) Block 3: April, 24th (We) always 10am until 4.30 pm Block 4: June 25 th (Tue), 1pm until 6pm Block 5: June, 26 th (We), 10am until 4.30pm	Seminar/Blocks (please visit all specified appointments/all blocks)
5B.8	Städte als Wirtschaftsräume: Kreativwirtschaft, Einzelhandel, Zwischennutzungen und "urban gardening" (de)	Juchelka	Vorbesprechung am 6.5.2019 von 10 bis 11; Termin dann auch Absprache	Block
5B.9	Nachhaltiges Mobilitätsmanagement im Personen- und Güterverkehr (de)	Schulte-Derne	23.7. und 24.7.19 jeweils von 10 bis 17 Uhr (Vorbesprechung: siehe LSF)	Block

Urbane Kultur, Gesellschaft und Raum				
Nr. des Moduls	Veranstaltungstitel (Sprache)	Dozent/in	Termine/Turnus/(Uhrzeit)	Veranstaltungstyp
6B	Interdisziplinäres Ergänzungsmodul – Sustainable Urban Development II (zu belegen ist 1 Veranstaltung)			
6B.1	Sound and Health – in the City (en)	Moebus et al.	Thursday (weekly), 9.30am until bis 11.30am	Seminar
6B.2	Sustainability Science & Urban Transitions (en)	Krumme	April 1 st until April 5th; always 10a until 5pm	Block (you have to visit all blocks)
6B.3	Intermodale Transportketten/ Intermodale Transport Chains (en)	Noche	Tuesday, 4pm until 6pm	Lecture /Exercise (Campus Duisburg)
6B.4	Water Treatment (en)	Panglisch	Thursday; 7.45am until 10am	Lecture /Exercise (Campus Duisburg)

Module	Integrative Module II
Title of the course	Module 4: Urban Development and Quality of Life - Assessing the European Green Capital Essen (2017) (compulsory) (please register for examination online)
Lecturer	Wehling
Type of Course	Project Seminar
Day of the week Time	Mondays between 9.30am and 6:00 pm from April, 8th until July,8th 2019 (maybe also on July 15 th)
Campus Room	Essen consult LSF
Credits	10
Description/ Kommentar	<p>1.Topics:</p> <ul style="list-style-type: none"> - Quality of life - Green sustainable city - Urban development strategies <p>2.Methodology – Integrated Urban Analysis:</p> <ul style="list-style-type: none"> - GIS - Surveys (qualitative and quantitative) - Walkability - Participation - Critical mapping <p>3.Objectives:</p> <ul style="list-style-type: none"> - Definition of quality of life through measurable factors - Evaluation of quality of life in different (defined) urban neighborhoods - Evaluation of green city criteria in different (defined) urban neighborhoods - Conception and proposal of urban development strategies and measures <p>4.Learning Outcomes:</p> <ul style="list-style-type: none"> - Studying complex real urban issues in interdisciplinary groups - Understanding and applying empirical assessment methods and evaluation tools - Understanding status quo evaluation and critical urban analysis - Understanding the development process from problems/ challenges into potentials for sustainable urban transformation <p>5.Examination</p> <ul style="list-style-type: none"> - Final presentation of work results - Written report per group, which will be part of an integrated report with the overall seminar results

Link LSF

<https://campus.uni-due.de/lsf/rds?state=verpublish&status=init&vmfile=no&publishid=315857&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>

Modul	5B: Aufbaumodul - Urbane Kultur, Gesellschaft und Raum
Title of the course	5B.1: Urban Imaginaries (en)
Lecturer	Gurr
Day of the week Time	March, 25 th until March, 28 th 2019 always between 9 and 4pm (room: R12 R04 B02)
Campus Room	Campus Essen consult LSF
Credits	5
Description/ Kommentar	<p>This seminar will engage with key theoretical issues as well as with a broad range of representations of the city. The first part of the course will engage with key theoretical issues in the study of urban representations (functions of urban imaginaries, the role of imaginaries in the perception of cities, approaches in urban literary and cultural studies, problems of representation, questions of mediality). In the second part of the semester, we will discuss poetic as well as narrative representations, ranging from Swift, Gay and Pope in the 18th century via Wordsworth, Hazlitt, Shelley and other Romantics, Matthew Arnold, Charles Dickens and other Victorian writers, classic 20th-century texts such as Joyce's <i>Ulysses</i>, Eliot's <i>Waste Land</i>, Dos Passos' <i>Manhattan Transfer</i> all the way to recent experimental fiction. Depending on the interests of the participants, other media and genres (graphic novels, film, multimedia, computer games ...) can also be considered. The selection of texts can be agreed upon in the course.</p> <p>A reader with a first selection of texts will be available in the copy-shop in Reckhammerweg from early March onwards. All participants are to read the first two texts in the reader for the first session.</p>
Registration for Participation	jens.gurr@uni-due.de

Link LSF:

<https://campus.uni-due.de/lsf/rds?state=verpublish&status=init&vmfile=no&publishid=308730&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>

(Veranstaltung abgebildet im Wintersemester 2018/19, please consult LSF in the winter term 2018/19 for more details)

Modul	5B: Aufbaumodul - Urbane Kultur, Gesellschaft und Raum
Title of the course	5B.2: Sustainability Science & Urban Transitions (en
Lecturer	Krumme
Day of the week Time	between April, 1st and April, 5 th always between 10am until 5pm
Campus Room	Essen consult LSF
Credits	5 (Language: English)
Description/ Kommentar	<p>Motivational Background: With this seminar we want to close gaps between conceptual ideas of sustainable development, trends in the international discussion of green/ alternative urban systems and the actual scientific basis/ the findings of the international research community, particularly from the emerging sustainability science as well as transition research. Learning Goal: <i>We provide a scientifically coherent basis in order to understand, integrate and evaluate current dominant as well as alternative developments in society, economics and technology, particularly for the urban system background and the grand sustainability challenge.</i></p> <p>The seminar will be based on scientific presentations, group works/discussions and the interactive mapping and correlation of results and upcoming questions, in order to provide you with profound knowledge about sustainability science, especially for the urban system background. Based on this knowledge, we will deduce new/ innovative development and planning processes and discuss how enabling factors can be used effectively for the purpose of establishing/developing new ways/examples of urban transition management towards sustainability.</p> <p>In a first step the seminar will thus provide essential insights in the emerging frameworks and findings of sustainability science in a practical and concrete way. Generally the seminar will build its concept upon fundamental principles of and strategies derived from modern ecological science (Ecosystem Services Approach, Ecosystem Approach, as well as Ecological Economics). Doing so, system capacity based (socio-cultural, socio-economic and industrial) developments become more tangible for the background of so called "strong sustainability models".</p> <p>In a second part the seminar will transfer the lessons learned to sustainable development perspectives of urban systems and give answers how those transitions can be understood, planned and measured. Crucial issues reflected are amongst others:</p> <ul style="list-style-type: none"> • <i>Why are cities critical key players in the field of a global sustainable development?</i> • <i>How can cities be mobilized on the way towards a transformation of our socioeconomic system, oriented on long term social and ecological capabilities?</i> • <i>How can we extract use of typical "urban advantages" (industry, knowledge, density, accessibility, social and business networks, technological infrastructures and means etc...) to make cities actually the most sustainable form of human living?</i> <p>In a final phase enabling factors for the desired transitions are identified and discussed, that could effectively trigger alternative pathways for worldwide urban systems, understood against be background of an integrative Quality of Life Approach (QoL). The seminar concentrates therefore beside profound theoretical state of the art literature research on concrete case studies from cities and urban systems all over the globe. In the seminar we therefore favourite a bilateral strategy both on so called hard and soft skills/ leverages, respectively push and pull factors, for sustainable urban transition management: technological (e.g. smart city strategies) as well as socioeconomic (e.g. sharing economies) and socio-cultural aspects (e.g. transition town movement).</p>
Registration for Participation	zlv-sekretariat@uni-due.de

Link LSF: <https://campus.uni-due.de/lsf/rds?state=verpublish&status=init&vmfile=no&publishid=321849&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>

Modul	5B: Aufbaumodul - Urbane Kultur, Gesellschaft und Raum
Title of the course	5B.3: Low Carbon Society - Roadmapping for Sustainability Transitions at Local and Regional Level (en)
Lecturer	Dr. Ralf Schüle, Wuppertal Institut
Day of the week Time	<p>Block 1(Campus Essen) April, 11th (Thu); 1.30pm until 4pm</p> <p>Block 2(Campus Essen) May, 2nd (Thu); 1.30pm until 4pm</p> <p>Block 3 (Campus Essen, optional) May, 9th (Thu); 1.30pm until 4pm</p> <p>Block 4 (Wuppertal): June, 27th (Thu); 2pm until 5pm</p> <p>Block 5 (Wuppertal): July, 4th (Thu); 2pm until 5 pm</p> <p>Block 5 (Wuppertal): July, 5th (Fr); 8.30am until 12.30pm</p> <p>Block 6 (Wuppertal): July, 11th (Thu); 2pm until 5pm</p>
Campus Room	Campus Essen consult LSF
Credits	5 (Language English)
Description/ Kommentar	<p>Many European member states have committed to very ambitious emission reduction targets until the year 2050. In this regard, the question occurs what structural technological, political and institutional conditions are required in order to improve climate action in different types of urban settlements. Currently, cities and regions are experiencing far-reaching socio-economic transformations (e.g. economic, structural, demographical as well as social change) that need to be adjusted and managed towards a more sustainable climate action. Against this background, the seminar will address the current challenges and perspectives of modern climate and energy policy at local and/or regional levels. It will convey an overview of opportunities and boundaries of ambitious climate action programmes and will identify interlinkages and potential contradictions to other relevant fields of governance at the local level. Furthermore, it will address functions and interest constellations of different public and private agents in national multilevel governance systems. Starting with a German background and depending on the interest of the seminar participants, the seminar will also analyse local conditions for ambitious climate policies in other OECD and/or non-OECD countries.</p>
Registration for Participation	elke.hochmuth@uni-due.de

Link LSF:

<https://campus.uni-due.de/lsf/rds?state=verpublish&status=init&vmfile=no&publishid=317252&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>

Modul	5B: Aufbaumodul - Urbane Kultur, Gesellschaft und Raum
Veranstaltungsname	5B.4: Stadtentwicklung und Raumsoziologie (de)
Dozent/in	Wehrheim
Veranstaltungsart	Seminar
Wochentag Uhrzeit	Freitag 14 bis 16 Uhr
Campus Raum	Campus Essen consult LSF
Credits	5
Sprache	Deutsch
Beschreibung/Kommentar	Siehe LSF
Anmeldung für Teilnahme	elke.hochmuth@uni-due.de or jan.wehrheim@uni-due.de

Link LSF:

<https://campus.uni-due.de/lsf/rds?state=verpublish&status=init&vmfile=no&publishid=317275&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>

Modul	5B: Aufbaumodul - Urbane Kultur, Gesellschaft und Raum
Veranstaltungsname	5B.5 Sozialraum und Quartiermanagement (de)
Dozent/in	Kalter
Veranstaltungsart	Seminar
Wochentage Uhrzeit	freitags 3.5.2019; 14 bis 18 Uhr 17.5.19; 12 bis 16.00 31.5.19; 12 bis 16.00 14.6.19; 12 bis 16.00 28.6.19; 12 bis 16.00 12.7.19; 14 bis 18.00
Campus Raum	Essen, siehe LSF Siehe Link im LSF
Credits	5
Sprache	deutsch
Description/ Kommentar	<p>Sozialräumliche Strategien erfreuen sich zunehmender Popularität. „Quartiermanagement“ als Organisations- und Steuerungsmodell integrierter Stadt(teil)entwicklung bündelt lokale Akteure, Ideen und Ressourcen um die Lebensbedingungen in benachteiligten Stadtteilen zu stabilisieren. Dabei gilt es, den Blick nicht allein auf die geförderten Stadtteile zu richten, sondern die Wechselwirkungen der Integrationsebenen Quartier und Gesamtstadt zu berücksichtigen.</p> <p>Das „Fachkonzept Sozialraumorientierung“ beschreibt hingegen die ambitionierte Bewegung, die fachlichen Ziele einer Lebenswelt- und Adressatenorientierung, einer Stärken- und Ressourcenlogik nachhaltig und wirkungsvoll in der Praxis Sozialer Dienste zu verankern, indem diese fachlichen Standards mithilfe veränderter Steuerungskonzepte und neuer ökonomischer Anreizsysteme auch durch entsprechende Managementstrukturen der Sozialen Dienste abgestützt werden.</p> <p>Im Seminar werden zunächst die theoretischen und konzeptionellen Wurzeln sozialräumlicher Ansätze der Sozialen Arbeit behandelt. Darauf aufbauend werden strategische und konzeptionelle Entwicklungen bei dem Aufbau raumbezogener Management-Strukturen vorgestellt.</p>
Anmeldung für Teilnahme	<p>elke.hochmuth@uni-due.de</p> <p>Hier stehen nur begrenzt Plätze für unsere Masterstudierende zur Verfügung (bei Interesse bitte per Email bei elke.hochmuth@uni-due.de anfragen, ob noch Plätze frei sind!)</p>

Link LSF:

<https://campus.uni-due.de/lsf/rds?state=verpublish&status=init&vmfile=no&publishid=322905&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>

Modul	5B: Aufbaumodul - Urbane Kultur, Gesellschaft und Raum
Title of the course	5B.6: Conflict Management in Spatial Planning (en)
Lecturer	Schmidt-Kallert
Day of the week Time	2 Wednesdays: June, 5th and June, 12th 9:00 am – 4.30pm
Campus Room	Campus Essen consult LSF
Credits	5 (Language: English)
Description/ Kommentar	<p>Sooner or later conflicts between different stakeholders arise in nearly every planning process. Thus planners should have a good understanding of methods of (peaceful) conflict resolution. This seminar will equip the students with both theoretical knowledge and practical skills in conflict management.</p> <p>On the first day we will start by analyzing typical planning and/or environmental conflicts, especially their history, the positions and interests of the conflicting parties, and the planner's role in conflict management. We will then discuss different methods of conflict management by outsiders with a special focus on mediation (on the basis of the Harvard model).</p> <p>The second day of the seminar will be fully devoted to an extended role play in conflict management through mediation. The role play will take the participants through all phases of a mediation process, and will be followed by a final group reflection.</p>
Registration for Participation	elke.hochmuth@uni-due.de

Link LSF:

<https://campus.uni-due.de/lsf/rds?state=verpublish&status=init&vmfile=no&publishid=315768&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>

Modul	5B: Aufbaumodul - Urbane Kultur, Gesellschaft und Raum
Title of the course	5B.7: Urbanization of developing world – views from geography (en)
Lecturer	Schneider
Day of the week Time	5 Blocks: Block 1: April, 10th (We) Block 2: April, 17th (We) Block 3: April, 24th (We) always 10am until 4.30 pm Block 4: June 25 th (Tue), 1pm until 6pm Block 5: June, 26 th (We), 10am until 4.30pm
Campus Room	Essen consult LSF
Credits	5 (Language: English)
Description/ Kommentar	Urbanization in developing countries shows a number of characteristics different from those in the developed part of the world: the process is more rapid, it gives rise to large mega-cities, functional re-organization of urban space is paralleled by processes of diffusing centrality, fragmentation and socio-spatial disparities. Informality and its articulation with formality is of utmost importance. The focus will be on livelihood strategies and housing provision in a fragmented urban space. The distinctive features of urbanization in the developing world will be dealt with in a combination of lectures and seminar work providing basic information and analyzing selected city examples.
Registration for Partizipation	Please send an Email to helmut.schneider@uni-due.de

Link LSF:

<https://campus.uni-due.de/lsf/rds?state=verpublish&status=init&vmfile=no&publishid=318270&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>

Modul	5B: Aufbaumodul - Urbane Kultur, Gesellschaft und Raum
Veranstaltungsname	5B.8: Städte als Wirtschaftsräume: Kreativwirtschaft, Einzelhandel, Zwischennutzungen und "urban gardening" (de)
Dozent/in	Juchelka
Veranstaltungsart	Seminar
Zeitraum Uhrzeit	Nach Vereinbarung Vor Anmeldung am 6.5.2019 zwischen 10 und 11 Uhr Siehe LSFr
Campus Raum	Campus Essen, Schützenbahn Siehe LSF
Credits	5
Sprache	Deutsch
Anmeldung für Teilnahme	<u>In der Vorbesprechung am 6.5.2019</u>

Link LSF:

<https://campus.uni-due.de/lsf/rds?state=verpublish&status=init&vmfile=no&publishid=322990&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>

Modul	5B: Aufbaumodul - Urbane Kultur, Gesellschaft und Raum
Veranstaltungsname	5B.9: Nachhaltiges Mobilitätsmanagement im Personen- und Güterverkehr (de)
Dozent/in	Schulte-Derne
Veranstaltungsart	Seminar
Zeitraum Uhrzeit	23.7. und 24.7. 2019 (ganztägig) (Anmeldung in der Sprechstunde am Donnerstag; siehe LSF) 10 bis 17 Uhr
Campus Raum	Campus Essen, Schützenbahn Siehe LSF
Credits	5
Sprache	Deutsch
Anmeldung für Teilnahme	friedrich.schulte-derne@uni-due.de

Link LSF:

<https://campus.uni-due.de/lsf/rds?state=verpublish&status=init&vmfile=no&publishid=322989&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>

Modul	6B: Interdisziplinäres Ergänzungsmodul - Sustainable Urban Development II
Veranstaltungsname	6B.1: Sound and Health – in the City (en)
Lecturer	Moebus et al
Day of the week	Thursdays, (Start April 11th)
Time	9.30Uhr bis 11.30 Uhr
Campus	Essen
Room	Consult LSF
Credits	5 (Language: English)
Description/ Kommentar	<p>Health is one of the basic human needs and is determined by the socio-cultural, economic, ecological and physical environment. Living in cities implies that health of the citizens depends not only on basic supplies and infrastructure such as food, water, shelter, disposal systems and health services, but also on the quality and spatial planning of the built environment which translates into varying degrees of soil, air, water and noise pollution from industrial, sanitary and transport systems. We already know that water, soil, air and noise pollution from industry and other human activities are considered to be main health impacts affecting humans who live in urban areas. However less is known about these environmental health impacts mediated by the built environment.</p> <p>Noise pollution in Germany is regulated by several laws and regulations. These regulations only restrict decibel levels (dB(A)) to below a certain threshold and have no consideration for frequency ranges of sounds below the restricted dB(A) level or the periodicity of sound incursions, two factors which have been identified as critical disruptors of animal, avian, and reptilian biodiversity, population size and individual health within the fields of population ecology and bioacoustics. In this respect the currently emerging topic of Soundscape Ecology seeks to understand sound as a pattern of decibels and frequency over time via formulaic combinations of these three variables to explain how 'soundscapes' are related to human health and the built environment. If soundscape metrics have been successfully used to identify healthy animal habitats, couldn't soundscape metrics be used to identify healthy human habitats?</p> <p>This project is in cooperation with the Department of Landscape Ecology and Landscape Planning (LLP) within the Faculty of Spatial Planning at the TU Dortmund University. Aims are to analyze the built, social, environmental and health conditions of selected small-scale study areas in Bochum in relation to soundscape metrics calculated from field recordings with specialized Lärmmessgeräten. For this purpose primary and secondary data will be collected and evaluated, with a main focus on mapping and soundscape measurements in the areas of interest. Practical skills include application of GIS (urban mapping), health assessment, sound signature measures and evaluation using specialized techniques and equipment.</p> <p>The course is organized as a combination of seminars, group work and field work. The seminars will consist of lectures and practical work to help students draw together and apply the knowledge and skills necessary for characterizing and analyzing their study area and will be held on Thursdays; field work will be carried out during the seminar time and will require participation from all enrolled students.</p> <p>Prerequisites: ArcGIS (or similar software for mapping and spatial analysis), interest in basic physics and interest in interdisciplinary work.</p>
Registration for Partizipation	Robynne.Sutcliffe@uk-essen.de

Link LSF: <https://campus.uni-due.de/lsf/rds?state=verpublish&status=init&vmfile=no&publishid=322140&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>

Modul	6B: Interdisziplinäres Ergänzungsmodul - Sustainable Urban Development II
Title of the course	6B.2: Sustainability Science & Urban Transitions (en)
Lecturer	Krumme
Day of the week Time	between April, 1st and April, 5 th always between 10am until 5pm
Campus Room	Essen Consult LSF
Credits	5 (Language: English)
Description/ Kommentar	<p>Motivational Background: With this seminar we want to close gaps between conceptual ideas of sustainable development, trends in the international discussion of green/ alternative urban systems and the actual scientific basis/ the findings of the international research community, particularly from the emerging sustainability science as well as transition research.</p> <p>Learning Goal: <i>We provide a scientifically coherent basis in order to understand, integrate and evaluate current dominant as well as alternative developments in society, economics and technology, particularly for the urban system background and the grand sustainability challenge.</i> The seminar will be based on scientific presentations, group works/discussions and the interactive mapping and correlation of results and upcoming questions, in order to provide you with profound knowledge about sustainability science, especially for the urban system background. Based on this knowledge, we will deduce new/ innovative development and planning processes and discuss how enabling factors can be used effectively for the purpose of establishing/developing new ways/examples of urban transition management towards sustainability.</p> <p>In a first step the seminar will thus provide essential insights in the emerging frameworks and findings of sustainability science in a practical and concrete way. Generally the seminar will build its concept upon fundamental principles of and strategies derived from modern ecological science (Ecosystem Services Approach, Ecosystem Approach, as well as Ecological Economics). Doing so, system capacity based (socio-cultural, socio-economic and industrial) developments become more tangible for the background of so called "strong sustainability models".</p> <p>In a second part the seminar will transfer the lessons learned to sustainable development perspectives of urban systems and give answers how those transitions can be understood, planned and measured. Crucial issues reflected are amongst others:</p> <ul style="list-style-type: none"> • <i>Why are cities critical key players in the field of a global sustainable development?</i> • <i>How can cities be mobilized on the way towards a transformation of our socioeconomic system, oriented on long term social and ecological capabilities?</i> • <i>How can we extract use of typical "urban advantages" (industry, knowledge, density, accessibility, social and business networks, technological infrastructures and means etc...)</i> to make cities actually the most sustainable form of human living? <p>In a final phase enabling factors for the desired transitions are identified and discussed, that could effectively trigger alternative pathways for worldwide urban systems, understood against be background of an integrative Quality of Life Approach (QoL). The seminar concentrates therefore beside profound theoretical state of the art literature research on concrete case studies from cities and urban systems all over the globe. In the seminar we therefore favourite a bilateral strategy both on so called hard and soft skills/ leverages, respectively push and pull factors, for sustainable urban transition management: technological (e.g. smart city strategies) as well as socioeconomic (e.g. sharing economies) and socio-cultural aspects (e.g. transition town movement).</p>
Registration for Partizipation	zlv-sekretariat@uni-due.de

Link LSF:

<https://campus.uni-due.de/lsf/rds?state=verpublish&status=init&vmfile=no&publishid=321849&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>

Modul	6B: Interdisziplinäres Ergänzungsmodul - Sustainable Urban Development II
Title of the course	6B.3: Intermodale Transportketten /Intermodal Transport Chains (en)
Lecturer	Noche
Day of the week Time	Tuesday 4pm until 6pm
Campus Room	Duisburg Consult SF
Credits	5 (Language English)
Description/ Kommentar	This research seminar is dedicated to the analysis of interconnected urban logistics systems, with a particular focus on social, economic and ecological dimensions of the sustainable development in urban areas. A holistic approach to urban mobility and an understanding of the science of logistics as the study of flows in networks should guide students in grasping the complexity of current and future challenges facing urban systems.
Registration for Partizipation	petra.frank@uni-due.de

Link LSF:

<https://campus.uni-due.de/lsf/rds?state=verpublish&status=init&vmfile=no&publishid=316951&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>

Modul	6B: Interdisziplinäres Ergänzungsmodul - Sustainable Urban Development II
Veranstaltungsname	6B.4: Water Treatment (en)
Lecturer	Panglisch
Day of the week	Thursday
Time	7:45am until 10am
Campus	Duisburg
Room	Consult LSF
Credits	5
Description/ Kommentar	<p>(Only in German available)</p> <p>Nach einem Überblick über die verfahrenstechnischen Prozesse und mögliche Kombinationen werden in der Veranstaltung schwerpunktmäßig die Grundlagen zu folgenden verfahrenstechnischen Prozessen behandelt:</p> <p>Oxidation Ionenaustausch Adsorption Flockung Filtration (konventionelle Verfahren) Gasaustausch Entkarbonisierung Membranverfahren Sedimentation Schlammbehandlung</p>
Registration for Partizipation	stefan.panglisch@uni-due.de

Link LSF:

<https://campus.uni-due.de/lsf/rds?state=verpublish&status=init&vmfile=no&publishid=316853&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>