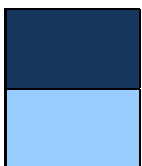


Schedule of Lectures

„Sustainable Urban Technologies (SUT)“

winter term 2012/13

for students of the first semester



Course will be offered in English

Course will be offered in German

Overview

Sustainable Urban Technologies				
No. of Module	Title of the Course	Lecturer	Faculty or Department	Type of course
1	Integrative Module I - Introduction to Urban Systems (compulsory)			
1.1	Key Issues in Urban Systems - “Urban Systems and Approaches to Urban Complexity “	Gurr/Schmidt et al.	Main Research Area Urban Systems	Lecture
1.2	Introduction: Sustainable Urban Technologies	Krumme	Engineering	Lecture
1.3	Introduction: Urban Culture, Society and Space	Gurr/Wehling	Humanities	Lecture
1.4	Introduction: First Steps into Urban Planning	Schmidt/Tran	Engineering	Lecture
2A	Introductory Module - Sustainable Urban Technologies (students choose two of the following courses)			
2A.1	Water - Natural Science Fundamentals (en)	Gimbel	Engineering	Lecture
2A.2	Introduction in Urban Ecology and Urban Climatology (en)	Kuttler	Biology	Lecture
2A.3	Urban Planning and Quality of Life (en)	Schmidt/Tran	Engineering	Seminar
2A.4	Intermodal Transport Chains II (en)	Noche	Engineering / Logistics	Project
2A.5	Using GIS (ArcGIS 10) in analysing urban systems (en)	Sattler	Geography	Excercise
2A.6	Siedlungswasserwirtschaft 1 - Chemie (en)	Denecke	Engineering	Excercise
2A.7	Siedlungswasserwirtschaft 3 – Einführung in die Siedlungswasserwirtschaft (de)	Denecke	Engineering	Lecture
2A.8	Operations Research (de)	Kimms	Mercator School of Management	Lecture
2A.9	Verkehrswesen 1 - Grundlagen der Verkehrsplanung (de)	Straube/ Wundes	Engineering	Lecture / Exercise
2A.10	Urban Water Supply (en)	Schmuck	Engineering	Lecture/Seminar

Sustainable Urban Technologies				
No. of Module	Title of the Course	Lecturer	Faculty or Department	Type of course
3A	Interdisciplinary Complementary Module – Urban Culture, Society and Space I (students choose one of the following courses)			
3A.1	Urban Cultural Studies (en)	Gurr	Humanities	Seminar
3A.2	The European City in History (en)	Hassenpflug	Main Research Area „Urban Systems“	Lecture / Blocks
3A.3	Metropolitan areas – structures, problems and management (en)	Wehling	Geography	Lecture

The Modular Construction of the Masters Programme "Sustainable Urban Technologies"

Sem.	WS/SS	Module	CP	CH	Masters Programme "Sustainable Urban Technologies"	
1.	WS	1	15	8	Module 1: Integrative Module I - Introduction to Urban Systems 1.1: Key issues in Urban Systems (lecture) 1.2: Introduction: Sustainable Urban Technologies (lecture/seminar) 1.3: Introduction: Urban Culture, Society and Space (lecture/seminar) 1.4: Introduction: First Steps into Urban Planning (lecture/seminar)	
			3	2		
			4	2		
			4	2		
		2+3	10+5	4+2		
2.	SS	4	10	4	Module 4: Integrative Module II - "Healthy City" practically oriented seminar (internal)	
		5+6	15+5	6+2	Module 5A: Intermediate Module - Sustainable Urban Technologies (students have to choose 3 from various courses on offer)	Module 6A: Interdisciplinary Complementary Module - Urban Culture, Society and Space II
3.	WS	7	20		Module 7: Internship Project (external, three months)	
		8	10	4	Module 8A: Advanced Module - Sustainable Urban Technologies (students have to choose 2 from various courses on offer)	
4.	SS	9	25		Modul 9: Masters Thesis <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> Oral Examination </div>	
			5			
Σ disciplinary (without MA Thesis/Colloq.)			35	14	Annotations (1) Interdisciplinary Complementary Modules: These will be specially offered courses from the "other" masters programme (2) Introductory Modules, Intermediate Modules, Advanced Modules: There will be several classes on offer (5 CP each), individual specialisation	
Σ Integration			25	12		
Σ Complementary			10	4		
Masters Thesis + Oral Examination			30			
Practical Project/Internship (Module 7)			20			
Σ			120	30		

Important: Please inform Mrs. van Wasen (beate.vanwasen@uni-due.de) and Dr. Hochmuth (elke.hochmuth@uni-due.de) about the courses you have chosen via Email. Mrs. van Wasen is responsible for the registration of all your courses in the central examination office at the University of Duisburg-Essen. All selected courses will be listed on your Masters Degree-certificates or on your Transcript of Records. Dr. Hochmuth is the coordinator of the Masters Programme.

Module	Integrative Module I - Introduction in Urban Systems
Title of the course	1.1: Key Issues in Urban Systems: Urban Systems and Approaches to Urban Complexity
Lecturer	Gurr/Schmidt et al.
Faculty/ Department	Main Research Area Urban Systems
Type of Course	Lecture
Day of the week	Wednesday
Time	between 6 p.m. and 8 p.m. o'clock
Campus	Campus Essen
Room	R11 T00 D01
Method of examination:	Written Examination
Credits	3
Hours/per week (SWS)	2
Language	English
Description/ Kommentar	With presentations by lecturers centrally involved in "Urban Systems" at the University of Duisburg-Essen as well as by academics from other universities and key practitioners, the lecture gives insights into key disciplines and approaches in the interdisciplinary study of urban systems. Under the heading of "Urban Systems and Approaches to Urban Complexity ", the lecture series provides an insight into key issues in the study of urban systems. Using some of urban regions (like the "Ruhrgebiet") as objects of study, students will be introduced to key issues in planning, economics, business development, logistics, water management, urban geography, urban governance, history, urban sociology, and urban cultural studies.

Link LSF: <https://campus.uni-duisburg-essen.de/lsf/rds?state=verpublish&status=init&vmfile=no&publishid=196585&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>

Module	Integrative Module I - Introduction in Urban Systems
Title of the course	1.2: Introduction: Sustainable Urban Technologies
Lecturer	Krumme
Faculty/ Department	Engineering
Type of Course	Lecture
Day of the week	Wednesday
Time	between 4 p.m. and 6 p.m. o'clock
Campus	Campus Essen
Room	R09 T07 D33
Method of examination:	Written Examination
Credits	4
Hours/per week (SWS)	2
Language	English
Description/ Kommentar	<p>The course introduces the core topics of technology-based issues of sustainable urban development.</p> <p>Coming from the background of the <i>Ecosystem Approach</i> (James J. Kay, American Council on Environmental Quality, amongst others) basic understandings of the urban environment as anthropogenic socio-technical ecosystem are explained. Protected assets (<i>water, soil, air, biodiversity etc.</i>) of ecologically oriented urban planning are defined as subjects of technology assisted innovations in urban environments. The mainstream political and scientific concepts of sustainable development (Dennis L. Meadows, Gro H. Brundtland, Klaus Töpfer, Frederic Vester, Robert Costanza, John Elkington, and others) are presented as well as their implications for a green industrial society under transformed socio-economic conditions. Sub-strategies considering the efficiency and sufficiency of innovations are explained. Technology is reflected as part of the nexus of un-sustainability (<i>Syndrome Approach</i>) and the necessary socio-economic change (<i>Integrated Technology Approach</i>). Networked components of future <i>smart cities</i> are discussed, such as <i>infrastructure, ICT, logistics, transportation and energy supply and consumption</i> issues. Some critical reviews of selected examples of future city concepts and mega/ global cities problems close the course.</p>

Link LSF: <https://campus.uni-duisburg-essen.de/lsf/rds?state=verpublish&status=init&vmfile=no&publishid=196594&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>

Module	Integrative Module I - Introduction in Urban Systems
Title of the course	1.3: Introduction: Urban Culture, Society and Space
Lecturer	Gurr / Wehling
Department	Humanities
Type of Course	Lecture
Day of the week	Wednesday
Time	between 12 a.m. and 2 p.m. o'clock
Campus	Campus Essen
Room	R09 T07 D33
Method of examination:	Written Examination
Credits	4
Hours/per week (SWS)	2
Language	English
Description/ Kommentar	<p>What does it mean to be "urban" - is it enough to live in a city? What is the "European City"? Is the city losing its role as an economic and cultural centre in the process of globalization? How can we "read" a city? What role does urban culture play in urban systems - indicator or instigator of key developments? Based on selected classic and recent texts as well as visual material such as maps and photographs, the course provides an overview of key issues in urban geography, urban sociology, urban cultural studies and points out their interdisciplinary interfaces with urban economics, urban planning, urban management as well as urban technology.</p> <p>Under the headings of "Form and Urban Space", "Economy, Functions and Urban Space" and "Urban Social Life, Urban Culture and Urban Space", we will introduce key issues in urban studies from a distinctly spatial perspective. These discussions will be complemented by an overview of classic definitions of urbanity and urbanism.</p> <p>The course will equip students with the necessary foundations and frame of reference for further interdisciplinary urban studies.</p> <p>A reader containing most texts to be discussed will be available in the copy-shop Reckhammerweg from early October. Further texts will be proved electronically in the course of the semester.</p> <p>For the first session, participants are expected to have read the first text in the reader.</p>

Link LSF: <https://campus.uni-duisburg-essen.de/lfs/rds?state=verpublish&status=init&vmfile=no&publishid=196599&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>

Module	Integrative Module I - Introduction in Urban Systems
Title of the course	1.4: Introduction First Steps into Urban Planning
Lecturer	Schmidt / Tran
Faculty/ Department	Engineering
Type of Course	Lecture
Day of the week	Wednesday
Time	between 10 a.m. and 12 a.m. o'clock
Campus	Campus Essen
Room	R09 T07 D33
Method of examination:	Written Examination
Credits	4
Hours/per week (SWS)	2
Language	English
Description/ Kommentar	<p>This lecture examines the evolving structure of cities and the way that cities can be designed and developed for the longterm future. The most important aspect is seen to be the quality of life in our urban spaces especially in these modern times of conflicting priorities and interests.</p> <p>Its scope includes historical forces that have produced cities, today's and future challenges for urban planning and urban design, interdisciplinary perspectives under the general heading of "The City" with different themes such as sustainability, health, energy efficiency, mobility, climate change, urban green spaces and demographic change.</p>

Link LSF: <https://campus.uni-duisburg-essen.de/lfs/rds?state=verpublish&status=init&vmfile=no&publishid=196605&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>

Module	2A: Introductory Module - Sustainable Urban Technologies
Title of the course	2A.1: Water - Natural Science Fundamentals (en)
Lecturer	Gimbel/ Hobby
Faculty/ Department	Engineering
Type of Course	Lecture /Exercise
Day of the week Time	Lecture: Tuesday, 10 a.m. to 12 a.m. o'clock Exercise: Tuesday, 8 a.m. to 10 a.m. o'clock (at fortnightly intervals)
Campus Room	Campus Duisburg BC 103
Method of examination:	Written Examination, Klausur
Credits	5 credits
Hours/per week (SWS)	1
Language	English
Description/ Kommentar	Summary: <ul style="list-style-type: none"> • -general introduction • fundamentals • structure and properties of water • water as solvent • equilibria in aqueous • properties of aqueous • carbonic acid • carbonate - carbonic acid systems • oxidation - reduction processes, • corrosion • biotransformations in aqueous systems • compounds in natural waters • aspects of drinking water quality
Registration	Please send an Email for your registration for that course to ralph.hobby@uni-due.de

Link LSF: <https://campus.uni-duisburg-essen.de/lsf/rds?state=verpublish&status=init&vmfile=no&publishid=193585&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>

<https://campus.uni-duisburg-essen.de/lsf/rds?state=verpublish&status=init&vmfile=no&publishid=193510&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>

Module	2A: Introductory Module - Sustainable Urban Technologies
Title of the course	2A.2: Introduction in Urban Ecology and Urban Climatology (en)
Lecturer	Kuttler /Goldbach
Faculty/ Department	Biology
Type of Course	Lecture
Day of the week	Tuesday
Time	between 10 a.m. and 12 a.m. o'clock
Campus	Campus Essen
Room	SR 102
Credits	5
Hours/per week (SWS)	2
Language	English
Description/ Kommentar	Urban climatology is concerned with the climatic conditions in urban areas. Compared to undeveloped land, urban areas are characterized, on average, by heat, aridity, little wind and air pollution. This climate is caused by differences in radiation and heat balance that distinguish built-up areas from their rural surroundings. The diagnosis of existing climatic conditions in urban areas is accompanied by an outlook on the climatic and air-hygienic changes that are expected on a local scale against the backdrop of global climate change. The lecture provides an introduction to the overall issue of immission-related climatic problems in cities by means of numerous examples.
Registration	Please send an Email for your registration for that course to anja.goldbach@uni-due.de

Link LSF: <https://campus.uni-duisburg-essen.de/lfs/rds?state=verpublish&status=init&vmfile=no&publishid=200876&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>

Module	2A: Introductory Module - Sustainable Urban Technologies
Title of the course	2A.3: Urban Planning and Quality of Life (en)
Lecturer	Schmidt/ Tran /Baltes
Faculty/ Department	Engineering
Type of Course	Seminar
Day of the week	Tuesday
Time	between 8:30 a.m. and 10 a.m. o'clock
Campus	Campus Essen
Room	R11 T00 D01
Credits	5
Hours/per week (SWS)	2
Language	English
Description/ Kommentar	This course provides students with fundamental knowledge and technical skills used by urban planners to generate, evaluate, and implement ideas, plans, and projects. Seminars encourage students, as members of collaborative teams, to think creatively and apply interdisciplinary, problem-solving methods to planning issues and projects.
Registration	Please send an Email for your registration for that course to minh-chau.tran@uni-due.de

Link LSF: <https://campus.uni-duisburg-essen.de/lsf/rds?state=verpublish&status=init&vmfile=no&publishid=202476&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>

Module	2A: Introductory Module - Sustainable Urban Technologies
Title of the course	2A.4: Außerbetrieblicher Transport (Intermodal Transport Chains II) (en)
Lecturer	Noche
Faculty/ Department	Engineering
Type of Course	Lecture and exercise
Day of the week	Lecture/ Exercise : Tuesday
Time	between 6 p.m. and 8 p.m. o'clock
Campus Room	Campus Duisburg MD 162
Credits	5
Hours/per week (SWS)	2
Language	English
Description/ Kommentar	<p>This lecture focuses on the structures of transport chains across company boundaries that involve various modes of transport. It also deals with modern concepts of logistic control, ranging from PPC and ERP systems to supply chain management.</p> <p>Aims of the course: The participants learn about the structure of different transport chains. They understand the technical design and organization of supply chains. The students can develop transport chains and calculate key figures. They are able to design IT structures for supply chains and to apply chosen methods and algorithms. They acquire the skills to refine intermodal transport and supply chains in research and to manage them in industrial practice.</p>
Registration	Please send an Email for your registration for that course to bernd.noch@uni-due.de

Link LSF: <https://campus.uni-duisburg-essen.de/lfs/rds?state=verpublish&status=init&vmfile=no&publishid=193723&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>

Module	2A: Introductory Module - Sustainable Urban Technologies
Title of the course	2A.5: Using GIS Using GIS (ArcGIS 10) in analysing urban systems (en)
Lecturer	Sattler
Faculty/ Department	Geography
Type of Course	Exercise
Day of the week	Block; 18/02/2013 – 22/02/2013 (five days)
Time	between 9 a.m. and 3 p.m. o'clock
Campus	Campus Essen, Schützbahn
Room	SM 102
Credits	5
Hours/per week (SWS)	2
Language	English
Description/ Kommentar	The lecture will deal with the spatial planning category of the metropolitan area (in Germany, Europe, and overseas) in terms of development, economic change, internal divergencies, regional impact and competition, and others.
Registration	Please send an Email for your registration for that course to birgit.sattler@uni-due.de

Link LSF: <https://campus.uni-duisburg-essen.de/lfs/rds?state=verpublish&status=init&vmfile=no&publishid=200984&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>

Module	2A: Introductory Module - Sustainable Urban Technologies
Title of the course	2A6: Siedlungswasserwirtschaft 1 (water management) – Chemie (chemistry) (en)
Lecturer	Denecke
Faculty/ Department	Engineering
Type of Course	Lecture and seminar
Day of the week Time	In English by appointment
Campus Room	Essen
Credits	5
Hours/per week (SWS)	2
Language	English
Description/ Kommentar	By appointment, if you are interested please inform Dr. Elke Hochmuth (elke.hochmuth@uni-due.de)
Registration	Please send an Email to elke.hochmuth@uni-due.de

Link LSF: <https://campus.uni-duisburg-essen.de/lsf/rds?state=verpublish&status=init&vmfile=no&publishid=199907&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>

Module	2A: Introductory Module - Sustainable Urban Technologies
Title of the course	2A.7: Siedlungswasserwirtschaft 3 – Einführung in die Siedlungswasserwirtschaft (de)
Lecturer	Denecke
Faculty/ Department	Engineering
Type of Course	Lecture and seminar
Day of the week	Monday
Time	between 12 and 4 p.m. o'clock
Campus	Campus Essen
Room	V15 S05 D16
Credits	5
Hours/per week (SWS)	4
Language	German
Description/ Kommentar	<p>Abwasserreinigung</p> <ul style="list-style-type: none"> • Weitergehende Verfahren zur Abwasserreinigung (Stickstoffelimination, Phosphorelimination etc.) • Verfahren zur Nährstoffrückgewinnung <p>Stadtentwässerung</p> <ul style="list-style-type: none"> • Anforderungen einer weitergehenden Regenwasserbehandlung durch ATV-DVWK A117, BWK M3 und EG Wasserrahmenrichtlinie • Techniken für eine weitergehende Regenwasserbehandlung • Nährstoffbelastung von Gewässern durch diffuse Quellen • Einfluss des Klimawandels und der Demographie für die Planung von kanalnetzen und Regenwasserbehandlungsanlagen <p>Trinkwasseraufbereitung und -verteilung</p> <ul style="list-style-type: none"> • Quellen und Wirkung von Spurenstoffen im Trinkwasser • Weitergehende Verfahren zur Trinkwasseraufbereitung • Anforderungen an die Trinkwasserversorgung in Megastädten
Registration	Please send an Email for your registration for that course to martin.denecke@uni-due.de

Link LSF: <https://campus.uni-duisburg-essen.de/lsf/rds?state=verpublish&status=init&vmfile=no&publishid=199913&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>

Module	2A: Introductory Module - Sustainable Urban Technologies
Title of the course	2A.8: Operations Research (de)
Lecturer	Kimms
Faculty/ Department	Mercator School of Management
Type of Course	Lecture and Exercise
Day of the week Time	Thursday, between 10 a.m. and 12 a.m. o'clock (start: 25 th October)
Campus Room	Campus Duisburg LB 107
Credits	5
Hours/per week (SWS)	2
Language	German
Description/ Kommentar	For current information please have a look at the below mentioned Homepage
Registration	Please send an Email for your registration for that course to alf.kimms@uni-due.de

Link LSF: <https://campus.uni-duisburg-essen.de/lfs/rds?state=verpublish&status=init&vmfile=no&publishid=193330&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>

Module	2A: Introductory Module - Sustainable Urban Technologies
Title of the course	2A.9: Verkehrswesen 1 - Grundlagen der Verkehrsplanung (de)
Lecturer	Straube/Wundes
Faculty/ Department	Engineering
Type of Course	Lecture and exercise
Day of the week	Monday
Time	between 8:30 a.m. and 11:45 a.m. o'clock
Campus	Campus Essen
Room	V15 R04 H52
Method of examination:	70% Written Examination, 30% Homework (70 % Klausurarbeit, 30 % Hausübung)
Credits	5
Hours/per week (SWS)	4
Language	Deutsch
Description/ Kommentar	Grundlagen von Verkehrsangebot und Verkehrsnachfrage, Methoden des Verkehrsplanungsprozesses, Zustands- und Mängelanalyse, Entwurf von Knotenpunkten, Anlagen des Fußgänger- und Radverkehrs, Anlagen des ruhenden Verkehrs, Straßen im städtischen Bereich, Verkehrssicherheit
Registration	Please send an Email for your registration for that course to sylvia.wundes@uni-due.de

Link LSF: <https://campus.uni-duisburg-essen.de/lfs/rds?state=verpublish&status=init&vmfile=no&publishid=199737&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>

Module	2A: Introductory Module - Sustainable Urban Technologies
Title of the course	2A.10: Urban Water Supply (en)
Lecturer	Schmuck
Faculty/ Department	Engineering
Type of Course	Lecture /seminar
Day of the week Time	Blocks: Monday, 19.11. 10:00 - 15:00 o'clock; Monday, 26.11. 10:00 - 15:00 o'clock; Monday, 03.12. 10:00 - 15:00 o'clock; Exam Monday , 10.12. 10:00 - 12:00 o'clock
Campus Room	Campus Essen V15 R05 H21
Credits	5
Hours/per week (SWS)	2
Language	English
Description/ Kommentar	
Registration	Please send an Email for your registration for that course to Sebastian Schmuck (Sebastian.schmuck@uni-due.de)

Link LSF: no Link!

Module	3A: Interdisciplinary Complementary Module - Urban Culture, Society and Space I
Title of the course	3A.1: Urban Cultural Studies
Lecturer	Gurr
Faculty/ Department	Humanities
Type of Course	Seminar
Day of the week	Thursday
Time	between 2:00 p.m. and 4 p.m. o'clock
Campus	Campus Essen
Room	R11 T04 C94
Credits	5
Hours/per week (SWS)	2
Language	English
Description/ Kommentar	<p>Through a reading of key theoretical texts and a number of case studies, the seminar provides an overview of key issues and approaches in urban cultural studies. Working with an extremely broad definition of "urban culture" to include not only "established" forms of urban culture such as museums, music, drama and other performing arts, but also on popular forms of cultural expression such as graffiti, tattoos, urban installation art, guerrilla gardening etc., this seminar will explore the theory and practice of "urban culture" in a very general sense.</p> <p>Note: A reader containing key theoretical texts will be available in the copy-shop Reckhammerweg from early October. Students are expected to read the first two texts in the reader for the first session. There may be reading tests.</p>
Registration	Please send an Email for your registration for that course to jens.gurr@uni-due.de

Link LSF: <https://www.lsf.uni-due.de/lsf/rds?state=verpublish&status=init&vmfile=no&publishid=196020&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>

Module	3A: Interdisciplinary Complementary Module - Urban Culture, Society and Space I
Title of the course	3A.2: The European City in History
Lecturer	Hassenpflug
Faculty/ Department	Main Research Area Urban System
Type of Course	Lecture
Day of the week Time	Blocks: 10th and 11th of January 2013; 24th and 25th of January 2013; 7 th and 8 th February 2013; Examination 15 th February 2013 Thursday: between 1:00 p.m. and 6:30 a.m. Friday: between 9:00 a.m. and 12:30 p.m.
Campus Room	Campus Essen Thursday SM-311 (Schützenbahn) and Friday R12 S05 H20
Method of examination:	Written Examination
Credits	5 credits
Hours/per week (SWS)	2
Language	English
Description/ Kommentar	<p>This lecture offers an insight into the social and cultural history of the European city from its beginning until today. Emphasis will be laid on basic categories of social history and urban sociology, urban typology of traditional and modern society, the Greek and Roman city, the Medieval city, the big transformation (Renaissance and Absolutism), the capital city, the modern big city (metropolis, mega city, world city), big city enmity, big city alternatives (garden city, machine-city), liberal and modern or rather Fordistic city, the postmodern city and the city in our time.</p> <p>The lecture gives an interdisciplinary approach. It provides a broad understanding for the social and cultural implications of urban, urbanised and even rural space thus contributing to a “dialogical” understanding of urban design and construction. It aims at improving the competence of socio-spatial reflection to all future experts for urban space, to urban designers and planners as well.</p> <p>Certificates are required through passing a written examination. An attendance list will be handed over during the first lecture.</p>
Registration	Please send an Email for your registration for that course to elke.hochmuth@uni-due.de

Link LSF: <https://campus.uni-duisburg-essen.de/lfs/rds?state=verpublish&status=init&vmfile=no&publishid=202474&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>

Module	3A: Interdisciplinary Complementary Module - Urban Culture, Society and Space I
Title of the course	3A.3: Metropolitan areas – structures, problems and management (en)
Lecturer	Wehling
Faculty/ Department	Geography
Type of Course	Lecture
Day of the week	Tuesday
Time	between 2 p.m. and 4 p.m. o'clock
Campus Room	Campus Essen, Schützenbahn SM 102
Credits	5
Hours/per week (SWS)	2
Language	English
Description/ Kommentar	The lecture will deal with the spatial planning category of the metropolitan area (in Germany, Europe, and overseas) in terms of development, economic change, internal divergencies, regional impact and competition, and others.
Registration	Please send an Email for your registration for that course to Hans-werner.wehling@uni-due.de

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