

Schedule of Lectures

„Sustainable Urban Technologies (SUT)“

for students of the second semester

summer term 2016

In case there are scheduling overlaps between weekly courses and block seminars, please contact the lecturer responsible for the weekly course. Please inform the lecturer that you would like to attend another course on a few dates. In general, you can then catch up on the contents of the weekly course that you have missed.

**Current Information about the courses you find always in
LSF!**

Overview

Sustainable Urban Technologies				
No. of Module	Title of the Course/(language)	Lecturer	Time schedule	Type of course
4	Integrative Module II – Practically oriented seminar (compulsory)			
4	Sustainable Urban Campus - Sustainability in Higher Education Units (compulsory)	Niemann/Wehling	mondays (weekly), 10am until 5pm	4
5A	Intermediate Module - Sustainable Urban Technologies (students choose three of the following courses)			
5.A.1	Urban Planning and Quality of Life (en)	Casanova/Schmidt	Thursdays, 9am until 12 (noon)	Seminar
5A.2	Urbanization of the developing world – views from geography (en)	Schneider	April, 29 th (fr): 1pm – 8pm May, 13 th (fr): 9am- 5pm May, 20 th (fr): 9am- 5pm July, 15 th (fr): 9am- 5pm July, 22 th (fr): 9am- 5pm	Seminar/Blocks (you have to visit all blocks)
5A.3	Intermodale Transport Chains (en)	Noche	Tuesdays, 6pm until 8pm Fridays, 4pm until 6pm	Lecture/ Exercise (Duisburg)
5A.4	Water Treatment (en)	Panglisch	Thursdays, 8.45am until 11.15am	Lecture/ Exercise (Duisburg)
5A.5	Applied Climatology and bioenvironmental Urban Studies/Climate Change (en)	Melkonyan	Tuesdays, 10am until 12 (noon)	Lecture
5A.6	Operations Research (de)	Kimms	Wednesdays, 12 until 2pm	Lecture/ Exercise (Duisburg)
5A.7	Cancelled : Sustainable Water Management (en)	cancelled	cancelled	cancelled
5A.8	Grundlagen der strategischen Stadtentwicklungsplanung – sozial, ökonomisch, ökologisch (überwiegend de/en)	Hassenpflug	<u>Block 1:</u> 28.4.2016 (do) (13 bis 18 Uhr) / 29.4.2016 (fr) (9 bis 13 Uhr)/ 30.4.2016 (sa; Exkursion nach Monheim) <u>Block 2:</u> 2.6.2016 (do) (13 bis 18 Uhr)/ 3.6.2016 (fr) (9 bis 13 Uhr) <u>Block 3:</u> 30.6.2016 (do) (13 bis 18 Uhr) / 1.7.2016 (fr) (9 bis 13 Uhr)	Seminar/Blocks (you have to visit all blocks)

Sustainable Urban Technologies

No. of Module	Title of the Course/(language)	Lecturer	Time schedule	Type of course
5A	Intermediate Module - Sustainable Urban Technologies (students choose three of the following courses)			
5A.9	Conflict Management in Spatial Planning (en)	Schmidt-Kallert	April, 15 th , 9:00 – 4:30pm April, 22 th , 9:00 – 3pm	Seminar/Blocks (Simulation Game) (you have to visit all blocks)
5A.10	3D Data Analysis and Visualization using ArcGIS 3D-Analyst and ESRI CityEngine (en)	Pozo	From April, 4 th until April, 8 th , always between 9 am and 4pm	Seminar/Blocks (you have to visit all blocks)
5A.11	Vereinigte Arabische Emirate (Summer- und Winterschool) – wirtschafts- und stadtgeographische Perspektiven sowie interkulturelle Kompetenzentwicklungen (Teil 1) (de/en)	Juchelka	Summerschool in Essen: 1.08.2016 until 12.08.2016, always between 9am and 6pm Excursion: 10.10.-22.10.16	Excursion and participation at the Summerschool – students are already informed
5A.12	Summer School: Moovel Lab (en)	Jansen	<u>Block</u> : August, 8 until 12 th (whole days; always from 10am until 5pm)) Please inform Mr. Jansen of your participation until April, 30 th	Summer School
5A.13	Sustainability Science & Urban Transitions	Krumme/Kehrer/ Melkonyan	between August, 24 th (Wednesday) and August, 31 th (not weekend), always between 9am until 5pm	Block (you have to visit all blocks)

6A Interdisciplinary Complementary Module – Urban Culture, Society and Space II (students choose one of the following courses)				
6A.1	Low Carbon Society - Roadmapping for Sustainability Transitions at Local and Regional Level (English)	Schüle, Wuppertal Institut	<u>Block 1:</u> April, 14th (Thu) 4.15 pm until 7pm <u>Block 2:</u> April, 27th (We), 9.30am bis 12 noon <u>Block 3:</u> June, 17th (Fr), 9.30am bis 4pm <u>Block 4:</u> June, 24th (Fr), 9.30am until 4pm <u>Block 5:</u> July, 25th (Mo), 9.30am until 4pm (optional)	Seminar/Blocks (you have to visit all blocks)
6A.2	Urban Imaginaries (en)	Gurr	March, 29th until April, 1st 2016 always between 9 and 4pm	Seminar/Blocks (you have to visit all blocks)
6A.3	Cross-cultural Communications and Competence (en) (highly recommended)	Michal Tighe, virtual teamwork	July, 7th (thu) (9am – 5pm) July, 8th (fr) (9am – 5pm) July, 9th (sa) (9am – 5pm)	Seminar/Blocks (you have to visit all blocks)
6A.4	Grundlagen der strategischen Stadtentwicklungsplanung – sozial, ökonomisch, ökologisch (überwiegend de/en)	Hassenpflug	<u>Block 1:</u> 28.4.2016 (do) (13 bis 18 Uhr) / 29.4.2016 (fr) (9 bis 13 Uhr) / 30.4.2016 (sa; Exkursion nach Monheim) <u>Block 2:</u> 2.6.2016 (do) (13 bis 18 Uhr) / 3.6.2016 (fr) (9 bis 13 Uhr) <u>Block 3:</u> 30.6.2016 (do) (13 bis 18 Uhr) / 1.7.2016 (fr) (9 bis 13 Uhr)	Seminar/Blocks (you have to visit all blocks)
6A.5	Sustainability Science & Urban Transitions	Krumme/Kehrer/ Melkonyan	between August, 24 th (Wednesday) and August, 31th (not weekend), always between 9am until 5pm	Block (you have to visit all blocks)

En= English; De = Deutsch; yellow highlighted = highly recommended

Additional Offer (not compulsory and no credits):

No. of Module	Title of the Course/(language)	Lecturer	Time schedule	Type of course
	The Urban Challenge Lecture: Food for Thought in the Lunchbreak	ARUS- Doctoral students	<u>From May 4th onwards:</u> wednesdays 12 (noon) until 1pm	Lecture with discussion

Link: <https://campus.uni-duisburg-essen.de/lsf/rds?state=verpublish&status=init&vmfile=no&publishid=267953&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>

Module	Integrative Module II
Title of the course	Module 4: Sustainable Urban Campus - Sustainability in Higher Education Units (compulsory)
Lecturer	Niemann/Wehling
Type of Course	Project Seminar
Day of the week Time	Mondays (weekly) between 10:00 am and 5:00 pm from April, 11th until July, 18th 2016
Campus Room	Essen consult LSF
Credits	10
Language	English
Description/ Kommentar	<p>Global Themes:</p> <ul style="list-style-type: none"> • Campus Management • Sustainable Education and Research • Diversity and Inclusion Management <p>Subject Aims:</p> <ul style="list-style-type: none"> • Insights into methods of planning and implementing sustainability in higher education units • Awareness of the complexity to harmonize previous structures into a holistic sustainable thinking and acting of the unit <p>Learning outcomes:</p> <ul style="list-style-type: none"> • Scientific work • Preparation of seminar paper • Application of empirical research methods and tools • Presentation making and techniques • After the project work, students will be able to apply the theoretically evolved framework to “real life” problems in an interdisciplinary perspective <p>Overall learning outcomes: Awareness of the benefits and opportunities as well as the potential pitfalls of inter- and transdisciplinary cooperation; strategies of solving potential problems in communication</p> <p>Examination: Written report (app. 20 pages), presentation (presenting the results of the project work) and participation while the discussion (after presentation)</p>

Link LSF:

<https://campus.uni-duisburg-essen.de/lfs/rds?state=verpublish&status=init&vmfile=no&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung&veranstaltung.veranstid=267840&purge=y&topitem=lectures&subitem=editlecture&asi=LqwHH6FFWTdn4z7MDJPr>

Module	5A: Intermediate Module - Sustainable Urban Technologies
Veranstaltungsname	5A.1: Urban Planning und Quality of Life (en)
Lecturer	Casanova /Schmidt
Day of the week	Thursdays
Time	9.00 am until 12 (noon)
Campus	Essen
Room	consult LSF
Credits	5
Language	English
Description	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 for Participation	marielly.casanova@gmail.com marielly.casanova@uni-due.de

Link LSF:

<https://campus.uni-duisburg-essen.de/lfs/rds?state=verpublish&status=init&vmfile=no&publishid=262067&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>

Modul	5A: Intermediate Module - Sustainable Urban Technologies
Veranstaltungsname	5A.2: Urbanization of the developing world – views from geography (en)
Lecturer	Schneider
Type of Course	SE/Block
Day of the week Time	April, 29 th (fr): 1pm – 8pm May, 13 th (fr): 9am- 5pm May, 20 th (fr): 9am- 5pm July, 15 th (fr): 9am- 5pm July, 22 th (fr): 9am- 5pm
Campus Room	Campus Essen Consult LSF
Credits	5
Language	English
Description	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 Participation	helmut.schneider@uni-due.de

Link LSF:

[https://campus.uni-duisburg-essen.de/lfsf/rds?state=verpublish&status=init&vmfile=no&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung&veranstaltung.veranstid=263949&purge=y&topitem=lectures&subitem=editlecture&asi=MGa5nPJF4Zt\\$ZheyYsNM](https://campus.uni-duisburg-essen.de/lfsf/rds?state=verpublish&status=init&vmfile=no&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung&veranstaltung.veranstid=263949&purge=y&topitem=lectures&subitem=editlecture&asi=MGa5nPJF4Zt$ZheyYsNM)

Module	5A: Intermediate Module - Sustainable Urban Technologies
Title of the course	5A.3: Intermodale Transport Chains (en)
Lecturer	Noche /Goudz
Type of Course	SE
Day of the week Time	Tuesdays, 6pm until 8pm Fridays, 4pm until 6pm
Campus Room	Duisburg Consult LSF
Credits	5
Language	English
Description	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 participation	alexander.goudz@uni-due.de

Link LSF:

<https://campus.uni-duisburg-essen.de/lfs/rds?state=verpublish&status=init&vmfile=no&publishid=261892&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>

Modul	5A: Intermediate Module - Sustainable Urban Technologies
Veranstaltungsname	5A.4: Water Treatment (en)
Lecturer	Panglisch
Type of Course	Lecture
Day of the week	Thursdays
Time	8:45 - 10.15am (Excercise 10.15 – 11am)
Campus Room	Duisburg Consult LSF
Credits	5
Hours/per week (SWS)	2
Language	English
Description	<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> <ul style="list-style-type: none"> Oxidation Ionenaustausch Adsorption Flockung Filtration (konventionelle Verfahren) Gasaustausch Entkarbonisierung Membranverfahren Sedimentation Schlammbehandlung
Registration for Participation	stefan.panglisch@uni-due.de

Link LSF:

<https://campus.uni-duisburg-essen.de/lsf/rds?state=verpublish&status=init&vmfile=no&publishid=261747&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>

Module	5A: Intermediate Module - Sustainable Urban Technologies
Title of the course	5A.5: Applied Climatology and bioenvironmental Urban Studies/Climate Change (en)
Lecturer	Melkonyan
Type of Course	Lecture
Time of Blocks	Tuesday 10 am until 12 (noon)
Campus Room	Essen Consult LSF
Credits	5
Language	Englisch
Description	consult LSF
Registration for Participation	ani.melkonyan@uni-due.de

Link LSF:

<https://campus.uni-duisburg-essen.de/lsf/rds?state=verpublish&status=init&vmfile=no&publishid=268780&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>

Module	5A: Intermediate Module - Sustainable Urban Technologies
Title of the course	5A.6: Operations Research (de)
Lecturer	Kimms
Type of Course	Lecture
Day of the week	Wednesdays
Time	12:00 – 2pm
Campus Room	Duisburg LA Audimax
Credits	5
Hours/per week (SWS)	3
Language	German
Description	Consult LSF
Registration for Participation	alf.kimms@uni-due.de

Link LSF:

<https://campus.uni-duisburg-essen.de/lsf/rds?state=verpublish&status=init&vmfile=no&publishid=260895&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>

Module	5A: Intermediate Module - Sustainable Urban Technologies
Title of the course	5A.7: Cancelled: Sustainable Water Management (en)
Lecturer	Niemann
	Cancelled

Module	5A: Intermediate Module - Sustainable Urban Technologies
Title of the course	5A.8: Grundlagen der strat. Stadtentwicklungsplanung – sozial, ökonomisch, ökologisch (de/en)
Dozent/in	Hassenpflug
Veranstaltungsart	Seminar/Block
Blocktage Uhrzeit	<u>Block 1:</u> 28.4.2016 (do) (13 bis 18 Uhr) / 29.4.2016 (fr) (9 bis 13 Uhr)/ 30.4.2016 (sa; Exkursion nach Monheim) <u>Block 2:</u> 2.6.2016 (do) (13 bis 18 Uhr)/ 3.6.2016 (fr) (9 bis 13 Uhr) <u>Block 3:</u> 30.6.2016 (do) (13 bis 18 Uhr) / 1.7.2016 (fr) (9 bis 13 Uhr)
Campus Raum	Campus Essen Siehe Link im LSF
Credits	5
Sprache	Überwiegend Deutsch /Englisch
Description/ Kommentar	Das Seminar bietet eine praxisorientierte Einführung in die Grundbegriffe und Methoden des zukunftsorientierten städtischen Qualitätsmanagements. Das didaktische Konzept sieht vor, gemeinsam einen strategischen Plan für eine konkrete deutsche Referenzstadt zu entwickeln. Dieser Ansatz bietet den Studierenden die Möglichkeit, praxisnah alle relevanten Themen und Konzepte der strategischen Stadtentwicklungsplanung (SSeminarP) kennenzulernen. Behandelt werden: Die Bedeutung der SSeminarP; die rechtlichen Grundlagen der SSeminarP; Profil der Referenzstadt (z.B. Stadt in Zahlen, Bildern und Selbstbeschreibungen); Stärken-Schwächen-Analyse der Referenzstadt (SWOT); Evaluation der Entwicklungsplanung der Referenzstadt; Vision und Leitbild für einen strategischen Stadtentwicklungsplan; Maßnahmen und Projekte für die Zukunft. Die Themen werden in Gruppen bzw. Einzelprojekte bearbeitet und abschließend zu einem kohärenten strategischen Stadtentwicklungsplan integriert. Ziel ist es, eine realitätstüchtige Expertise zu erstellen.
Anmeldung zur Teilnahme:	elke.hochmuth@uni-due.de

Link LSF:

<https://campus.uni-duisburg-essen.de/lsf/rds?state=verpublish&status=init&vmfile=no&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung&veranstaltung.veranstid=267843&purge=y&topitem=lectures&subitem=editlecture&asi=LqwHH6FFWTdn4z7MDJPr>

Module	5A: Intermediate Module - Sustainable Urban Technologies
Title of the course	5A.9: Conflict Management in Spatial Planning (en)
Lecturer	Prof. Dr. Einhard Schmidt-Kallert (TU Dortmund)
Type of Course	Seminar /Blocks (Simulation Game)
Time	April, 15th 9:00 – 4:30pm April, 22th 9:00 – 3pm
Campus Room	Essen Consult LSF
Credits	5
Language	Englisch
Description	<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	<p>elke.hochmuth@uni-due.de</p> <p>Please register (for participation until April, 1st (latest and please via email to Dr. Hochmuth)</p>

Link LSF:

<https://campus.uni-duisburg-essen.de/lfs/rds?state=verpublish&status=init&vmfile=no&publishid=267851&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>

Module	5A: Intermediate Module - Sustainable Urban Technologies
Title of the course	5A.10: 3D Data Analysis and Visualization using ArcGIS 3D-Analyst and ESRI CityEngine (en)
Lecturer	Ricardo Pozo
Type of Course	Seminar/Blocks
Time	4.4. bis 8.4.2016 (jeweils 9 bis 16 Uhr)
Campus Room	Essen, Schützenbahn
Credits	5
Language	English
Description/Kommentar	Consult LSF
Registration for Participation:	ricardo.pozo@stud.uni-due.de

Link LSF:

<https://campus.uni-duisburg-essen.de/lsf/rds?state=verpublish&status=init&vmfile=no&publishid=268778&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>

Module	5A: Intermediate Module - Sustainable Urban Technologies
Title of the course	5A.11: Vereinigte Arabische Emirate (Summer- und Winterschool) – wirtschafts- und stadtgeographische Perspektiven sowie interkulturelle Kompetenzentwicklungen (Teil 1) (de/en)
Dozent/in	Juchelka
Veranstaltungsart	Seminar with Excursion
Zeitraum Uhrzeit	Summerschool in Essen: August, 1 st until 12th; always 9am until 6pm Excursion to the United Arab Emirates in October 2016: 10.10.-22.10.16
Campus Raum	Essen Consult LSF, there are specific application regulations – students are already informed
Credits	5
Sprache	Englisch/Deutsch
Anmeldung für Teilnahme	rudolf.juchelka@uni-due.de

Link LSF:

<https://campus.uni-duisburg-essen.de/lsf/rds?state=verpublish&status=init&vmfile=no&publishid=268473&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>

Universität Duisburg-Essen
United Arab Emirates University, Vereinigte Arab. Emirate, Al-Ain
Summer- und Winter-School 2016
DAAD-Förderprogramm „Hochschuldialog mit der islamischen Welt“
Ausschreibung zur Bewerbung

Der Lehrstuhl für Wirtschaftsgeographie, insbes. Verkehr und Logistik unter Leitung von Prof. Dr. Rudolf Juchelka organisiert auch im Jahr 2016 wieder eine Summer- und Winter-School für 12 Studierende in Essen bzw. in den Vereinigten Arabischen Emiraten. Die beiden Programme werden vom Deutschen Akademischen Austauschdienst DAAD gefördert.

Inhaltlich stehen Aspekte des ökonomischen und urbanen Strukturwandels im Ruhrgebiet und in den Emiraten im Mittelpunkt und sollen vor Ort in Form gemeinsamer Workshops, Feldforschungen und Exkursionen untersucht und hinsichtlich ihrer Übertragbarkeit verglichen werden. Der interkulturelle Austausch mit der islamischen Welt bildet einen weiteren Schwerpunkt des Programms.

Angesprochen sind von der Universität Duisburg-Essen, aber auch von den benachbarten Universitäten der Universitätsallianz Ruhr (Bochum und Dortmund) primär Studierende aus den Studiengängen

- Geographie bzw. geographisch-spezialisierte Studiengänge (Bachelor und Master; auch Lehramt, auch Lehramt Grundschule mit einem Interessenschwerpunkt in der Geographie)
- Urbane Systeme (mit Interesse an der Geographie)
- Kulturwirt (mit Interesse an der Geographie)
- BWL/VWL (mit Interesse an der Geographie)
- Technische Logistik (mit Interesse an der Geographie).

Es stehen für die deutsche Seite 12 Teilnehmerplätze zur Verfügung.

Neben der interkulturellen Weiterbildung, der geographischen Kompetenzerweiterung in Bezug auf den arabischen Raum sowie der thematischen Arbeit kann das Programm auch Ansatz für

einschlägig ausgerichtete Bachelor- bzw. Masterarbeiten sein. Eine Anrechnung als Lehrveranstaltung bzw. von Credit Points ist grundsätzlich möglich und im Einzelfall zu entscheiden.

Die Teilnehmer nehmen an einer 13-tägigen **Winter-School vom 10. bis zum 22. Oktober 2016 in den Vereinigten Arabischen Emiraten** teil (Flug, Übernachtung/Frühstück, Transfers, Eintritte vor Ort werden vom DAAD finanziert!), ebenso nehmen sie an einer 13-tägigen **Summer-School in Essen vom 1. bis 12. August 2016** teil. Etwa drei Vorbereitungstreffen (ca. drei Zeitstunden) im Laufe des Sommersemesters 2016 in Essen sind ebenfalls obligatorisch.

Weitere Teilnahmevoraussetzungen sind gute Englischkenntnisse, körperliche Fitness (Wüstenklima) und begründetes Interesse am arabischen Raum, insbesondere auch in kultureller Hinsicht. Element des DAAD-Programms ist explizit die Frauenförderung. Seitens beider Universitäten können deshalb ausschließlich weibliche Studierende am Programm teilnehmen.

Eine Eigenbeteiligung in Höhe von 100 € ist bei der Platzzusage zu bezahlen.

Bitte bewerben Sie sich **bis zum 15. Februar 2016** per E-Mail an Rudolf.Juchelka@uni-due.de mit folgenden Unterlagen (PDF) bei Prof. Juchelka:

- Tabellarischer Lebenslauf mit Foto
- Studienbescheinigung
- Motivationsschreiben (1-2 Seiten, auf Deutsch)
- Aktueller Leistungsstand/Notenspiegel/Bachelor-Zeugnis

Bitte bewerben Sie sich nur, wenn Sie die o.g. Termine auch wirklich wahrnehmen können. Nach Bewerbungsende finden persönliche Auswahlgespräche statt. Bei Rückfragen können Sie sich gerne an Prof. Juchelka wenden.

Module	5A: Intermediate Module - Sustainable Urban Technologies
Title of the course	5A.12: Summer School: Mobility stations – from regional to local perspective (with moovel-lab GmbH) (en)
Lecturer	Schmidt/Hendrik Jansen /Bläser et.al.
Type of course	Projectseminar (Block)
Day of the week/ Time	Block : August, 8 th until August 12th (whole days, 10am until 5pm))
Venue	Campus Essen, look LSF
Credits	5
Language	English
Description	<p>Experts agree that the future of urban mobility will be intermodal! But what about now? How can current challenges be addressed and solved to live in a future that will still allow us to move freely and individually through both the city and their suburbs.</p> <p>Building more roads and selling more cars will end up in even more congestion while also losing the human scale of liveable communities. Encouraging a mobility behaviour that utilizes the infrastructure we have, while also fostering innovations is what we need to aim for. While mobile technology is starting to enable this intermodal mobility by creating platforms that connect all kinds of transport modes, the whole transportation infrastructure should be optimized for this behaviour.</p> <p>This course is supposed to analyse the intersection points of transport modes on different scales. Mobility stations are bundling many modes of transport and are therefore optimized for intermodal mobility - but what does this implicate? Exemplary questions that could be addressed and researched by the participants are:</p> <ul style="list-style-type: none"> ▪ What are the conditions regarding different types of spatial structures (regional, urban, quarter, site)? ▪ What are the requirements in terms of urban design? ▪ How can the built environment support multimodal mobility behaviour? ▪ What are general barriers of the built environment for intermodal mobility? ▪ Who is responsible for operating this infrastructure? <p>After a short introduction phase and deepening inputs the students will start working on a specific project. At the end of the seminar all groups will be invited to present their ideas and results at the moovel lab headquarter in Stuttgart. A short report to be delivered after the seminar will summarize the groups' results.</p>
Registration	Please inform Hendrik Jansen (jansen@bjp-planer.de) of you interest via Email until April 30th

Link LSF:

<https://campus.uni-duisburg-essen.de/lfs/rds?state=verpublish&status=init&vmfile=no&publishid=268962&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>

Modul	5A: Intermediate Module - Sustainable Urban Technologies
Veranstaltungsname	5A.13: Sustainability Science & Urban Transitions
Lecturer	Krumme/Melkonyan/Kehrer
Day of the week Time	between August, 24th (Wednesday) and August, 31th (not weekend), always between 9am until 5pm
Campus Room	Essen Consult LSF
Credits	5 (Language: English)
Description	<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></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 the 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 favour 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	doerte.ringel@uni-due.de

Link LSF: [https://campus.uni-duisburg-essen.de/lfs/rds?state=verpublish&status=init&vmfile=no&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung&veranstaltung.veranstid=261990&purge=y&topitem=lectures&subitem=editlecture&asi=TvYIOOT.h4ITTTSwk\\$li](https://campus.uni-duisburg-essen.de/lfs/rds?state=verpublish&status=init&vmfile=no&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung&veranstaltung.veranstid=261990&purge=y&topitem=lectures&subitem=editlecture&asi=TvYIOOT.h4ITTTSwk$li)

Module	6A: Interdisciplinary Complementary Module - Urban Culture, Society and Space II
Title of the course	6A.1: Low Carbon Society - Roadmapping for Sustainability Transitions at Local and Regional Level (en)
Lecturer	Ralf Schüle, Wuppertal Institut
Type of Course	SE/Block
Day of the week Time	<u>Block 1:</u> April, 14th (Thu) 4.15pm until 7pm <u>Block 2:</u> April, 27th (We), 9.30am until 12 noon <u>Block 3:</u> June, 17th (Fr), 9.30am until 4pm <u>Block 4:</u> June, 24th (Fr), 9.30am until 4pm <u>Block 5:</u> July, 25th (Mo), 9.30am until 4pm (optional appointment)
Campus Room	Campus Essen Consult LSF
Credits	5
Hours/per week (SWS)	2
Language	Englisch
Description/ Kommentar	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.
Registration for Participation	elke.hochmuth@uni-due.de or ralf.schuele@wupperinst.org

Link LSF: <https://campus.uni-duisburg-essen.de/lfs/rds?state=verpublish&status=init&vmfile=no&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung&veranstaltung.veranstid=267844&purge=y&topitem=lectures&subitem=editlecture&asi=LqwHH6FFWTdn4z7MDJPr>

Module	6A: Interdisciplinary Complementary Module - Urban Culture, Society and Space II
Title of the course	6A.2: Urban Imaginaries (en)
Lecturer	Gurr
Type of Course	Seminar/Block
Day of the week Time	March, 29th until April, 1st 2016 always between 9 and 4pm
Campus Room	Campus Essen Consult LSF
Credits	5
Language	English
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-duisburg-essen.de/lfs/rds?state=verpublish&status=init&vmfile=no&publishid=262432&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung> (for April, 1)

Module	6A: Interdisciplinary Complementary Module - Urban Culture, Society and Space II
Title of the course	6A.3: Cross-cultural Communications and Competence (en)
Lecturer	Michael Tighe, virtual-teamwork.com
Type of Course	Seminar/Blocks
Day of the week Time	July, 7th (thu) (9am – 5pm) July, 8th (fr) (9am – 5pm) July, 9th (sa) (9am – 5pm)
Campus Room	Campus Essen Consult LSF
Credits	5
Language	Englisch
Description/ Kommentar	This three-day seminar/workshop combines phases of theoretical input, simulation, discussion and reflection on key topics related to effective cross-cultural interaction in an international professional context. Definitions of culture, cross-cultural competence and major theoretical constructs are brought to life in case studies, cultural briefings, pragmatic communication exercises, virtual elements and interactive simulations.
Registration for Participation	elke.hochmuth@uni-due.de

Link LSF:

<https://campus.uni-duisburg-essen.de/lsf/rds?state=verpublish&status=init&vmfile=no&publishid=267697&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>

Module	6A: Interdisciplinary Complementary Module - Urban Culture, Society and Space II
Title of the course	6A.4: Grundlagen der strat. Stadtentwicklungsplanung – sozial, ökonomisch, ökologisch (de/en)
Dozent/in	Hassenpflug
Veranstaltungsart	Seminar/Block
Blocktage Uhrzeit	<u>Block 1:</u> 28.4.2016 (do) (13 bis 18 Uhr) / 29.4.2016 (fr) (9 bis 13 Uhr)/ 30.4.2016 (sa; Exkursion nach Monheim) <u>Block 2:</u> 2.6.2016 (do) (13 bis 18 Uhr)/ 3.6.2016 (fr) (9 bis 13 Uhr) <u>Block 3:</u> 30.6.2016 (do) (13 bis 18 Uhr) / 1.7.2016 (fr) (9 bis 13 Uhr)
Campus Raum	Campus Essen Siehe Link im LSF
Credits	5
Sprache	Überwiegend Deutsch /Englisch
Description/ Kommentar	Das Seminar bietet eine praxisorientierte Einführung in die Grundbegriffe und Methoden des zukunftsorientierten städtischen Qualitätsmanagements. Das didaktische Konzept sieht vor, gemeinsam einen strategischen Plan für eine konkrete deutsche Referenzstadt zu entwickeln. Dieser Ansatz bietet den Studierenden die Möglichkeit, praxisnah alle relevanten Themen und Konzepte der strategischen Stadtentwicklungsplanung (SSeminarP) kennenzulernen. Behandelt werden: Die Bedeutung der SSeminarP; die rechtlichen Grundlagen der SSeminarP; Profil der Referenzstadt (z.B. Stadt in Zahlen, Bildern und Selbstbeschreibungen); Stärken-Schwächen-Analyse der Referenzstadt (SWOT); Evaluation der Entwicklungsplanung der Referenzstadt; Vision und Leitbild für einen strategischen Stadtentwicklungsplan; Maßnahmen und Projekte für die Zukunft. Die Themen werden in Gruppen bzw. Einzelprojekte bearbeitet und abschließend zu einem kohärenten strategischen Stadtentwicklungsplan integriert. Ziel ist es, eine realitätstüchtige Expertise zu erstellen.
Anmeldung zur Teilnahme:	elke.hochmuth@uni-due.de

Link LSF:

<https://campus.uni-duisburg-essen.de/lfs/rds?state=verpublish&status=init&vmfile=no&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung&veranstaltung.veranstid=267843&purge=y&topitem=lectures&subitem=editlecture&asi=LqwHH6FFWTdn4z7MDJPr>

Module	6A: Interdisciplinary Complementary Module - Urban Culture, Society and Space II
Title of the course	6A.5: Grundlagen der strat. Stadtentwicklungsplanung – sozial, ökonomisch, ökologisch (de/en)
Lecturer	Krumme/Melkonyan/Kehrer
Day of the week Time	between August, 24th (Wednesday) and August, 31th (not weekend), always between 9am until 5pm
Campus / Room	Essen/ Consult LSF
Credits	5 (Language: English)
Description	<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 the 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 favour 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	doerte.ringel@uni-due.de

Link LSF: [https://campus.uni-duisburg-essen.de/lfs/rds?state=verpublish&status=init&vmfile=no&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung&veranstaltung.veranstid=261990&purge=y&topitem=lectures&subitem=editlecture&asi=TvYIOOT.h4ITTSwk\\$li](https://campus.uni-duisburg-essen.de/lfs/rds?state=verpublish&status=init&vmfile=no&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung&veranstaltung.veranstid=261990&purge=y&topitem=lectures&subitem=editlecture&asi=TvYIOOT.h4ITTSwk$li)

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) Module 2A: Introductory Module - Sustainable Urban Technologies (students have to choose 2 from various courses on offer) Module 3A: Interdisciplinary Complementary Module - Urban Culture, Society and Space I	
			3	2		
			4	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		Module 9: Masters Thesis	
			5		Oral Examination	
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		