

Schedule of Lectures

„Sustainable Urban Technologies (SUT)“

winter term 2015/16

for students of the third semester

Overview – Third Semester WS 2015/16

Sustainable Urban Technologies				
No. of Module	Title of the Course	Lecturer	Time Schedule	Type of course
8A	Advanced Module - Sustainable Urban Technologies (students choose two of the following courses)			
8A.1	Public Participation GIS as a Tool for Urban System Planning Processes (compulsory) (en)	Moebus/Skoda	13 th January 2016 20 th January 2016 27 th January 2016 3 th February 2016 10 th February 16 24 th February 2016 (9.30 – 12.30) 30 th January 2016 (in Recklinghausen and whole day)	Block
8A.2	Urban perspectives in the context of demographic change (en)	Neumann (RWI)	January, 19 th (10.00 - 13.00) January, 26 th (10.00 - 13.00) February, 22 th (10:00 – 16.00) February, 23 th (10:00 – 16.00)	Blocks
8B.3	Urban Industrial Areas (en)	Wehling	February, 12 th February, 17 th February, 18 th (always from 9am until 4pm) and Excursion on February, 19 th 2016	Seminar /Block with excursion
8A.4	Projectseminar: Dublin Docklands (en)	Wehling	Block December, 12 th , 2015 (between 10am and 5 pm) Excursion: 9.--14.03.2016 There are specific application guidelines (you are already informed)	Seminar (Excursion)
8A.5	Evaluation Methods in Urban Planning	Parisa Arjmand	30.1.16 (Sa) 31.1. 2016 (Su) 13.2.16 (Su) 14.2.16 (date is optional) Between 9am and 4pm	Blocks / weekend
8A.6	Spring School: Moovel Lab (en)	Jansen	Block 1: February 15 th and 16 th (whole days) Block 2: February 29 th until March 4 th (whole days) There are specific application guidelines	Spring-school
8A.7	Optional Seminar –Refugees „Inclusive neighbourhoods“	Pozo/Casanova/Kürzdörfer	Thursdays, 05.11.15 – 04.02.16 (12 sessions); 14.00 – 18.00 (Essen) (you are already informed)	Seminar

Grey highlighted= highly recommended

Important: For the examination registration you have to register online for all courses in which you are planning to exam and to receive credits from our offered courses. Please kindly note that there is a registration period for our offered courses.

For the examination registration all students can also use for all courses the "Formular Prüfungsanmeldung" (filled) and can send it via Email to Ms van Wasen (beate.vanwasen@uni-due.de). You will find the certificate on the website below mentioned (only in German available, for some help please ask your fellow students from our Master's Programme, who are German or have good German language skills)

SUT: <https://www.uni->

[due.de/verwaltung/pruefungswesen/e_sustainable_urban_tech_startseite.php](https://www.uni-due.de/verwaltung/pruefungswesen/e_sustainable_urban_tech_startseite.php)

UKGR / UCSS: https://www.uni-due.de/verwaltung/pruefungswesen/e_urbane_kultur_startseite.php

Please note that Dr. Elke Hochmuth is not responsible for the examining registrations. For examination registration the contact person is Mrs van Wasen from the examination office. Thank you for your attention!

Module	8A: Advanced Module - Sustainable Urban Technologies
Title of the course	8A.1: Public Participation GIS as a Tool for Urban Systems Planning Processes (highly recommended)
Lecturer	Moebus/ Skodra
Type of course	Seminar in Blocks
Day of the week/ Time	13 th January 2016 20 th January 2016 27 th January 2016 3 th February 2016 10 th February 16 24 th February 2016 (9.30 – 12.30) 30th January 2016 (in Recklinghausen and whole day)
Venue	Colonia Haus, Zweigertstr. 37, 45130 Essen,3. Obergeschoss, Großer Seminarraum (3.05)
Credits	5
SWS	2
Language	English
Description	<p>This practice-oriented course is designed to provide students with a tool for geospatial data collection and analysis, which engages residents in the process of planning and enables direct insights in people's needs for better quality of life in their neighborhood. More precisely, this seminar is an introduction to the usage and impacts of spatial technology on collaborative planning on the neighborhood level. Main objectives of Public Participation GIS (PPGIS) approach are to use and integrate spatial information technology with people's perception about their living environment as well as to engage stakeholders and enable their influence on decision-making in planning process in order to improve the quality of life in urban areas.</p> <p>Furthermore, the course will introduce students to ZUGABE (ZUKunftschanCen GANzheitlich BEtrachten), a planning tool which is aimed to create an interdisciplinary platform for communication and discourse between different actors on municipal and local level (environmental and urban planners, rainwater and sewage system planners, etc.). In this course ZUGABE can be used for identifying areas of special interest/research area.</p> <p>In a selected research area (Recklinghausen) students will learn how to conduct community mapping with electronic maps in order to obtain data from citizens on their needs and space usage.</p> <p>The aim of this course is to connect data on the specific needs of residents (PPGIS) with planned interventions identified in ZUGABE. This can be seen as an example how to include public participation in planning processes.</p>

	<p>A short theoretical part of the seminar will include:</p> <ul style="list-style-type: none"> ▪ introduction to PPGIS and softGIS, ▪ concept of public participation ▪ introduction to ZUGABE <p>Tasks of the practical part are:</p> <ul style="list-style-type: none"> ▪ to learn about ZUGABE ▪ to conduct softGIS within a group of residents in the identified neighborhood in Recklinghausen ▪ to analyse the needs which were identified from resident's created softGIS maps ▪ to discuss the opportunities and challenges of combining/linking such data <p>Objectives of the course:</p> <p>In this seminar students will gain knowledge and experience in using new technology (softGIS) and new insight about public participation within the context of a real-world project (ZUGABE- planning tool).</p> <p>Upon completion of the course, students</p> <ul style="list-style-type: none"> • will have enhanced knowledge and understanding of <ul style="list-style-type: none"> ○ key principles of public participation GIS in the context of urban systems ○ use of new technology to assess resident's needs and space usage • will possess practical skills to <ul style="list-style-type: none"> ○ use spatial technology (softGIS) to engage citizens in qualitative data collection ○ conduct community mapping with electronic maps ○ interpret results obtained from the residents on electronic maps <p>Details of the course and timetables:</p> <p>The course is divided in six lessons, each of 3 hours length and one extra day (4 hours) for resident mapping with electronic maps (softGIS) in Recklinghausen.</p> <p>The course starts on 13th January 2016, following dates are: 20th, 27th, 3rd, 10th and 24th February 2016. On – site resident mapping in Recklinghausen will take place on <u>Saturday, 30th January 2016</u>. All students are expected to be present.</p> <p>Prerequisite and extra information: Knowledge of ArcGIS is required. Course will be taught in English.</p> <p>Assessment At the end of the course (24th February 2016) students have to hand in a short final report.</p>
Registration	Julita.Skodra@uk-essen.de

Link:

<https://campus.uni-duisburg-essen.de/Isf/rds?state=verpublish&status=init&vmfile=no&publishid=252009&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>

Module	8A: Advanced Module - Sustainable Urban Technologies
Title of the course	8A.2: Urban perspectives in the context of demographic change
Lecturer	Dr. Uwe Neumann
Type of course	Seminar in Blocks
Day of the week/ Time	January, 19th (10.00 - 13.00) January, 26th (10.00 - 13.00) February, 22th (10:00 – 16.00) February, 23th (10:00 – 16.00)
Venue	Campus Essen, consult Link below
Credits	5
Language	English
Description	<p>The seminar reviews urban policy measures designed to meet the specific challenges arising for cities in the context of demographic change. With a view on the Ruhr as an urban region representing an advanced stage in demographic ageing, the seminar will examine the policy implications of demographic change at the regional, city and neighbourhood level. Seminar work will comprise a critical review of the literature, data analysis, field work and discussion of the planning concepts pursued by selected cities in the Ruhr.</p> <p>The main part of the course will comprise a two-day block seminar, during which current topics and methodical approaches from urban and population geography will be in the focus. Policy-related research questions will be examined in the form of case studies, which will be prepared by participants and discussed during the two-day seminar. An introduction to the policy relevance of local demographic change will be given during a one-day excursion.</p> <p>During the course, students will</p> <ul style="list-style-type: none"> - acquire enhanced knowledge about the practical relevance of research in urban and population geography, - become acquainted with empirical methods (data acquisition, field work and data analysis), - prepare a text and presentation in individual or group work (approx. 5 pages text and presentation), - present a topic (20 minutes), - and participate in the discussion during the seminar
Registration	elke.hochmuth@uni-due.de

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Module	8A: Advanced Module - Sustainable Urban Technologies
Title of the course	8A.3: Urban Industrial Areas
Lecturer	Wehling
Type of course	Seminar in Blocks
Day of the week/ Time	12.2.2016; 17th and 18.2. 2016 (from 9am until 4pm) and excursion on 19.2.2016
Venue	Campus Essen, Schützenbahn, SM102
Credits	5
Language	English
Description	Please ask for description Prof. Wehling
Registration	hans-werner.wehling@uni-due.de

LSF:

<https://campus.uni-duisburg-essen.de/lfs/rds?state=verpublish&status=init&vmfile=no&publishid=259850&moduleCall=webInfo&publishConfFile=webInfo&publishSubDir=veranstaltung>

Module	8A: Advanced Module - Sustainable Urban Technologies
Title of the course	8A.4: Projectseminar: Dublin Docklands
Lecturer	Wehling
Type of course	Excursion and one session in December 2015
Day of the week/ Time	Block December, 12 th , 2015 (between 10am and 5 pm) Excursion: 9.--14.03.2016
Credits	5
Language	English
Description	There are special application guidelines, please ask Prof. Wehling via Email (you are already informed via Email)
Registration	hans-werner.wehling@uni-due.de

LSF: No Link! See next page!

Ziel	Exkursion: Donauhauptstädte im Vergleich: Wien – Budapest - Bratislava	Projektseminar: Dublin Docklands
Leitung	Prof. Dr. Rudolf Juchelka	Prof. Dr. Hans-Werner Wehling
Studiengänge	Master Urbane Gesellschaft, Kultur, Raum – Master Sustainable Urban Systems - Master Kulturwirt	
Termin	30.03.-07.04.2015 (8 Tage)	09.-14.03.2016 (6 Tage)
Teilnehmerzahl	maximal 16 Studierende	maximal 16 Studierende
Eigenbeteiligung	350 Euro inkl. Übernachtung/Frühstück, Fahrten vor Ort, Eintritte, Umdruck;; Achtung: Eigenanreise: Beginn/Ende der Exkursion in Wien! !!! Teilrückzahlung nach der Exkursion wird angestrebt!!!	290 Euro inkl. Flug, Übernachtung/Frühstück, Transfer
Inhaltliche Schwerpunkte	Die drei Hauptstädte Wien (Österreich), Bratislava (Slowakei) und Budapest (Ungarn) liegen relativ dicht beieinander und sind über die Donau sowie historisch miteinander verbunden. Anhand entsprechender Vergleichsraster sollen unterschiedliche Muster urbaner Systeme hinsichtlich der Stadtstrukturen und -entwicklungen, sowie ihrer Planung/Steuerung (Governance) vor Ort beobachtet, erarbeitet und interpretiert werden.	Vor dem Hintergrund internationaler Erfahrungen im waterfront development entstand in den letzten Jahrzehnten auf dem Gelände der ehemaligen Dubliner Docks beiderseits des unteren Liffey eine funktionale und städtebauliche Neunutzung. Hauptthemen des Geländeprojekts sind die Akzeptanz der neuen gewerblichen, vorwiegend der Dienstleistungs-Quartiere und der Wohnsituationen in gated communities.
Leistungsanforderungen	<ul style="list-style-type: none"> • Kurzreferat im Vorbereitungsseminar • Kurzreferat während der Exkursion • Aktive Mitarbeit (Seminar/Exkursion) • Exkursionsprotokoll 	<ul style="list-style-type: none"> • methodische Vorbereitung der Geländearbeit • Geländearbeit • ausgearbeiteter Projektbericht
Vorbesprechung	09.11.2015, 10:30-11:30, SR 002 – Teilnahmepflicht!	12.12.2015, 10-17 Uhr – Teilnahmepflicht!
Vorbereitungsseminar	Blockseminar: 2 Tage, Absprache in der Vorbesprechung	
<i>Interessensbekundung und Anmeldung</i>	<p style="text-align: center;"><i>Das Anmeldeverfahren läuft in zwei Schritten ab:</i></p> <p style="text-align: center;"><i>Schritt 1:</i></p> <p style="text-align: center;"><i>Eine Interessensbekundung (Wunschziel, Alternativziel), welche Exkursion bevorzugt wird, <u>kann ab sofort bis spätestens zum 26.10.2015 ausschließlich persönlich für beide Exkursionen im Sekretariat Wirtschaftsgeographie bei Frau Thieman bzw. Frau Hedtfeld (SR 008; Öffnungszeiten: Mo-Mi 10-13, Do 10-11 Uhr) erfolgen. Achtung: Die Reihenfolge der Interessensbekundung spielt keine Rolle!</u></i></p> <p style="text-align: center;"><i>Schritt 2:</i></p> <p style="text-align: center;"><i>Nach Auswertung der Interessensbekundung werden Sie über das verbindliche Anmeldeverfahren (inkl. Anzahlung) vom jeweiligen Exkursionsleiter per Mail informiert.</i></p>	

Module	8A: Advanced Module - Sustainable Urban Technologies
Title of the course	8A.5 Evaluation Methods in Urban Planning
Lecturer	Dr. Parisa Arjmand
Type of course	Seminar in Blocks (weekend)
Day of the week/ Time	30.1.16 (Sa) 31.1. 2016 (Su) 13.2.16 (Su) 14.2.16 (date is optional) Between 9am and 4pm
Venue	Please consult the link below
Credits	5
Language	English
Description	<p>Urban and regional planners depend heavily upon the interaction between objectives and evaluation methods in their analysis, planning and implementation processes. Evaluation in urban planning is the last crucial step, when the project process develops a gradual refinement from broad issues to narrower range of feasible options. Each cycle builds upon the lessons of previous cycles and this permits alternatives to emerge which should be either rejected or further refined. Thus, in this stage the evaluation of the alternatives in urban planning would lead to the best conditions/solutions for the city problems and the optimal decision could be taken by urban planners. In this course the evolution process and the use of different categories of evaluation methods mostly used in urban planning would be discussed. Some of the methods would be just mentioned to clarify the category they belong to and their general uses, while the others would be technically described. The methods are taught once theoretically and then in the form of practical urban projects examples. Nevertheless, some of methods which would be mentioned during the course are as followed: Checklist of criteria, Goeler Scorecard, Goals Achievement Matrix (GAM), Analytic Hierarchy Process (AHP) and ANP. In conclusion the course provides the students the necessary knowledge they require to implement the urban plans professionally and defend their university/job projects, dissertations and researches scientifically.</p>
Registration	For participation please contact parisa.arjmand@yahoo.com .

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Module	8A: Advanced Module - Sustainable Urban Technologies
Title of the course	8A.6: Spring School: Mobility stations – from regional to local perspective (with moovel-lab GmbH)
Lecturer	Schmidt et.al.
Type of course	Projectseminar (Block)
Day of the week/ Time	Block 1: February 15th and 16th (whole days) Block 2: February 29th until March 4th (whole days)
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	<p>There are specific application guidelines. Please look at LSF</p> <p>Bewerbungsunterlagen für das Seminar: Aufgrund der begrenzten Teilnehmerzahl und um eine hohe Qualität bei der Durchführung des Seminars zu gewährleisten bitten wir alle Studenten, die Interesse an einer Teilnahme haben uns folgendes Portfolio zur Verfügung zu stellen:</p> <p><u>Umfang:</u> 2 DinA4 Seiten!</p> <p><u>Inhalte:</u></p> <ol style="list-style-type: none"> 1. Kurzdarstellung der Grundmotivation (ca. 100-150 Worte) 2. Darstellung bisheriger relevanter Projekte im Bereich Mobilität, Stadt- und Regionalentwicklung, Architektur, Kommunikation (auch Studienprojekte) 3. Kurz-CV (100-150 Worte) <p>Die Bewerbungen sind als pdf-Datei zwischen dem 7.12. – 11.12. an folgende Adresse zu schicken: info@bjp-planer.de Alle Bewerber werden bis zum 21.12.2015 informiert.</p> <p>Application documents for the Seminar Due to the limited number of participants and to ensure a high standard of output during the seminar we ask all students who are interested in participating in the seminar to provide the following portfolio: <u>Format:</u> 2 DIN A4 pages!</p> <p><u>Contents:</u></p> <ol style="list-style-type: none"> 1. Short description of the basic motivation (100-150 words) 2. Presentaion of existing relevant projects in the field mobility, urban and regional development , architecture , communication (including study projects) 3. Short-CV (100-150 words) <p>Applications must be submitted as a pdf-file between the 7.12. – 11.12. to the following address: info@bjp-planer.de All applicants will be informed by Dec 21st 2015.</p>
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Module	8A: Advanced Module - Sustainable Urban Technologies
Title of the course	8A.7: Inclusive neighbourhoods
Lecturer:	Pozo, Casanova, Kürzdörfer
Type of course:	Seminar (optional)
Day of the week:	Thursday, 05.11.15 – 04.02.16 (12 sessions) Final report submission: 03.03.16
Time:	14.00 – 18.00 (Essen)
Campus:	Essen
Room:	S06S - S06 S00 A21
Credits:	5
Hours per week:	4
Language:	English

Description:	<p>Historically the industrial conurbation of the Ruhr region has been an important receptor of migration in Germany, and even Europe. Specially, during the first phase of reconstruction in the post-war period it became a new home for several families from different countries and cultures (Wehling, 2009). Foreign families settled in Essen with the aim of finding a better life for them and their children. Nowadays, their second and third generations contribute to shape the socio-cultural diversity and economic dynamics from this region.</p> <p>Nevertheless, due to the recent explosion of civil wars and economic crisis in North Africa and East Europe, the migration flows of refugees to Europe, and particularly to Germany, skyrocketed exponentially (BMF, 2015). The city of Essen seeks to address with this new challenge, but the reality is harder and complex for local communities as well as for refugees.</p> <p>With this seminar we intend to introduce students to the current refugee situation in Germany by understanding the problems and limitations, but moreover the potentials and opportunities. Through the research of successful case studies and the analysis of the existing neighbourhoods where the new refugee towns are located, students will be able to propose urban planning interventions and strategies to contribute to the discussion for an immediate action to start the integration of refugees both in society and the urban life.</p>
Contact:	<p>Ricardo Pozo ricardo.pozo@stud.uni-due.de Marielly Casanova marielly.casanova@uni-due.de</p>

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