

MODULE HANDBOOK

M.Sc. Spatial Planning

Stand: 20.10.2021

Allgemeine Raumforschung und Raumplanung / General Spatial Research and Planning						
Course of study: M.Sc. Raumplanung/Spatial Planning						
Regular cycle: Each Semester		Duration: 1–2 Semester		Taught: 1st – 2nd Semester	Credits: 8	Time: 240 h
1	Module structure					
	No.	Element / Course	Type	Credits	Hours per week	
	1	Course 1	L (WP)	2	2	
	2	Course 2	SE /E (WP)	4	2	
	3	Module Examination		2		
2	Language of instruction German/English					
3	Course content Module 1 will provide in-depth knowledge of current spatial research and planning in a regional, national and international perspective. Course 1 offers a critical view on planning ethics and planning philosophy. In addition, findings of current research on structural change and spatial development are taught. In course 2 contents will arise either from the contents of the lectures offered, or will provide further knowledge with regard to advanced work and research methods and key skills that are essential for the profession of spatial planning.					
4	Competencies Course 1 provides a basis for a scientific and critical debate within the Master's program and directs attention to a self-reflected positioning in spatial research and space planning. Element 2 provides knowledge of advanced work and research methods, which are practiced in groups.					
5	Examinations / Exercises Module examination (graded) 1 course exercise (not graded)					
6	Type of examination / Course exercises Module examination: exercises in course 2; Course exercises: essay in course 1, active participation in course 2					
7	Prerequisite None					
8	Type of module and corresponding program Compulsory module in M. Sc. Spatial Planning					
9	Module coordinator Zimmermann			Responsible department Department of Spatial Planning (09)		

Abbreviations

E	Exercise	(WP)	Wahlpflichtfach (compulsory optional subject/elective module)
S	Studio	SE	Seminar
L	Lecture	P	Project

Master Project / Master Design Studio						
Course of study: M. Sc. Spatial Planning						
Regular cycle: Each semester		Duration: 1 Semester	Taught: 1st – 2nd Semester		Credits: 12	Time: 360 h
1	Module structure					
	No.	Element / Course		Type	Credits	Hours per week:
	1	Master Project		P (WP)	10	8
	2	Master Design Studio		S (WP)	10	8
	3	Module Examination			2	
2	Language of instruction German/English					
3	Course content Students choose between element 1 and element 2. Each of the subjects refer to current research areas of the department. Students learn in a cooperative way to handle complex spatial problems by scientific means within a given time frame, to highlight possible solutions. Element 1 (Master Project) focuses on the theoretical-analytical and conceptual side of planning, taking up current issues of spatial research and spatial planning. In element 2 (Master Design Studio) the focus lies on the spatial-conceptual planning at different scales. The core of element 2 is a practical design task that addresses current issues of spatial development and planning.					
4	Competencies With its focus on problems, practice, processes and action within spatial planning the module fosters the self-motivated and independent work of students (inquiry-based learning). The module focuses on development of key competences such as communication, discussion and cooperation skills, consensus-building, as well as conflict management and project coordination. Element 1 (Master Project) enables the processing of theoretically and methodologically sophisticated questions according to scientific standards. Element 2 (Master Design Studio) deals with the design process in an integrated and interdisciplinary approach based on current planning issues and challenges.					
5	Examinations / Exercises Module examination (graded) 1 course exercise (not graded)					
6	Type of examination / Course exercises Module examination: final report incl. defense; course exercise: Exposé (element 1) or Module examination: design incl. defense; course exercise: design concept (element 2); The Master Project and the Master Design Studio are normally elaborated in a group of between 4 - 6 students.					
7	Prerequisite None					
8	Type of module and corresponding program Compulsory module in M. Sc. Spatial Planning					
9	Module coordinator Frank			Responsible department Department of Spatial Planning (09)		

Abbreviations

E	Exercise	(WP)	Wahlpflichtfach (compulsory optional subject/elective module)
S	Studio	SE	Seminar
L	Lecture	P	Project

Specialization

Course of study: M. Sc. Spatial Planning

Regular cycle Each Semester	Duration: 1–2 Semester	Taught: 1st – 2nd Semester	Credits: 20	Time: 600 h
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1	Module structure				
	No.	Element	Type	Credits	Hours per week
	1	Strategic urban and regional development	SE (WP)	4	2
	2	Urban development/Städtebau	SE (WP)	4	2
	3	Open space and environmental planning	SE/E (WP)	4	2
	4	Spatial and mobility research	SE/E (WP)	4	2
	5	Real Estate Management	SE (WP)	4	2
	6	Renewable Energies	SE (WP)	4	2
	7	Planning in the Global South	SE (WP)	4	2
	8	Urban Transformation	SE (WP)	4	2
	9	Partial course exercise A		2	
10	Partial course exercise B		2		
2	Language of instruction German/English				
3	Course content Four courses are taken in this module, which can be distributed to one of four elements. In-depth knowledge on key topics and challenges of urban and regional planning are taught. Students can deepen their individual knowledge in this module. The courses, with their close relationship to current issues in spatial research and planning, are especially relevant in preparation for elaboration during the Master's thesis.				
4	Competencies The courses offered will provide in-depth expertise. Alongside university professors of the Department students will learn to intensively discuss the current state of research.				
5	Examinations / Exercises 2 partial examinations or exercises (graded)				
6	Type of examination / Course exercises Partial course exercise A: Student exercise or oral examination; Partial course exercise B: Student exercise or oral examination; The partial course exercises are associated with the courses. The form of examination will be announced in the lecture catalogue ("Vorlesungsverzeichnis"). Partial course exercises can refer to two courses of an element, when offered together and sharing a common application procedure. Courses that are not offered by the Department of Spatial Planning may be concluded with an examination type other than the announced exam type.				
7	Prerequisite None				

Abbreviations

E	Exercise	(WP)	Wahlpflichtfach (compulsory optional subject/elective module)
S	Studio	SE	Seminar
L	Lecture	P	Project

8	Type of module and corresponding program Compulsory module in the M.Sc. Spatial Planning	
9	Module coordinator Gruehn	Responsible department Department of Spatial Planning (09)

Abbreviations

E Exercise

S Studio

L Lecture

(WP) *Wahlpflichtfach (compulsory optional subject/elective module)*

SE Seminar

P Project

Description of Specializations

Planning in the Global South	
Language of instruction	English
Course content	The seminars offered in this specialisation cover manifold dynamics of city-making in cities and city-regions of the Global South. This includes technical, socio-economic and environmental aspects of spatial planning, housing policy and practice, as well as institutions of land rights and land management systems. The curriculum covers planning theories and concepts, current approaches to housing, land use and environmental planning, transport and infrastructure planning, as well as integrated settlement planning. Rapid urbanisation, climate change and other challenges that cities and city-regions of the Global South currently deal with, as well as related interventions, receive special attention.
Competencies	<p>The students acquire the ability to</p> <ul style="list-style-type: none"> • Understand and reflect current debates and concepts in planning and housing studies with regards to cities and city-regions of the Global South • Understand and analyse the complexity of physical planning in countries of the Global South • Analyse existing physical structures, and identify corresponding problems and potentials, • Design solutions and intervention strategies in the fields of housing, infrastructure and transport • Critically reflect concepts of land use and review them in the light of their own countries' experiences, • Assess environmental and natural resources issues and problems and identify appropriate interventions/management measures to ensure sustainability of natural resources, • assess and propose mechanisms for efficient land management, • appraise causes and effects of human and natural induced disasters and identify appropriate mitigation measures.
Example courses	<ol style="list-style-type: none"> a) Planning theories and models b) Climate Change and Risk Management c) Housing and Human Settlement Planning d) Land Use Planning and Environmental Management e) Sustainable Land Management f) Transport and Infrastructure
Possible examinations / Exercises	<p>Presentations, essays, papers or oral examinations</p> <p>Further details regarding the form of examination are announced in the annotated lecture schedule.</p>
Substantive eligibility	<p>Students should be interested in dynamics of city-making and planning in the global South and related practical and theoretical challenges. In-depth knowledge regarding the contents of the module „Raumplanung International“ of the B.Sc. Raumplanung (or equivalent skills) are expected. International experience is recommended.</p>
Responsible Individual	Schramm

Abbreviations

E	Exercise	(WP)	Wahlpflichtfach (compulsory optional subject/elective module)
S	Studio	SE	Seminar
L	Lecture	P	Project

Strategic Urban and Regional Development	
Language of instruction	German/English ¹
Course content	Within the focus on "Strategic Urban and Regional Development" the courses will deal – in a theory-based way and on the basis of current case studies – with concepts, objectives, institutional arrangements and procedures of strategic spatial development and management at the local, regional and large-scale level. Here the complementary interaction of formal and informal collaborative approaches and methods are of particular importance, especially with regard to acceptance requirements. The thematic focus lies on current issues, such as climate change, renewable energy and urban-regional economic development.
Competencies	The focus imparts knowledge on the objectives and instruments of modern strategic planning and control. Students will acquire the expertise to evaluate success factors of strategic spatial planning and action based on empirical case studies and theoretical reflection in order to develop strategic development plans.
Example courses	<ul style="list-style-type: none"> a) Planning in urban and metropolitan areas b) From regional planning to strategic regional development c) Climate change suitability in urban development d) Global spatial development and urbanization e) Historical and future development in heavy industrial agglomerations - Specialization Ruhr a) "Growth Management" – Evaluation of prospects and limitations of regional Growth management on the basis of national and international case studies
Possible examinations / Exercises	<p>Student exercise;</p> <p>The partial course exercises are related to the courses offered. The form of examination will be announced in the lecture catalogue ("Vorlesungsverzeichnis").</p>
Prerequisite	Knowledge according to completed undergraduate studies (B. Sc.) in Spatial Planning
Responsible Individual	Wiechmann

¹ Some courses within the specializations will be taught in English and can be taken by all students as part of Module 3

Abbreviations

E	Exercise	(WP)	Wahlpflichtfach (compulsory optional subject/elective module)
S	Studio	SE	Seminar
L	Lecture	P	Project

Urban Development / Städtebau

Lehrveranstaltungssprache - Language of instruction
 Deutsch / Courses only offered in German²

Lehrinhalte - Course content
 Vor dem Hintergrund sich verändernder räumlicher und gesellschaftlicher Rahmenbedingungen stellt sich die Frage nach einem verantwortlichen Umgang mit der städtebaulichen Qualifizierung und Stadtgestaltung unter den Prämissen der Profilierung, der Schrumpfung und Zentrenstärkung sowie der Stabilisierung innerstädtischer und suburbaner Quartiere. Die Vertiefung Städtebau befasst sich mit dem theoretischen und praktischen Wissen dieser vielschichtigen Herausforderungen und entwickelt auf dieser Basis Konzepte für zukunftsfähige Strategien.
 Besonderer Wert wird auf die verschiedenen Maßstabsebenen, die Methoden und Prozesse städtebaulicher Qualitätssicherung gelegt.

Kompetenzen - Competencies
 Über die Lehrveranstaltung wird das theoretische Wissen über Städtebau und dessen Zusammenhang mit der Bauleitplanung und Immobilienentwicklung vertieft. Über die Auseinandersetzung mit städtebaulichen Prozessen wird die Entwurfsfähigkeit im räumlichen und funktionalen Kontext der Stadt eingeübt.
 Die theoretischen Inhalte bereiten auch auf die Referendarausbildung im höheren Verwaltungsdienst vor.

Veranstaltungen (Beispiele) - Example courses
 methods of urban design
 a) Quality assurance in urban planning and historic preservation
 b) Land use planning
 f) Urban Planning and Real Estate Development

Mögliche Prüfungen / Teilleistungen - Possible examinations / Partial assignments
 Studienarbeiten oder mündliche Prüfungen;
 Die Teilleistungen sind den Veranstaltungen zugeordnet. Die Prüfungsform wird im kommentierten Vorlesungsverzeichnis angekündigt.

Inhaltliche Voraussetzungen - Prerequisite
 Kenntnisse entsprechend des abgeschlossenen Bachelor-Studiums Raumplanung (inkl. Modul 5), Stadtplanung, Architektur, Landschaftsplanung

Verantwortliche – Responsible Individual
 Tribble

² Some courses within the specializations might be taught in English and can be taken by all students as part of Module 3

Abbreviations

E	Exercise	(WP)	Wahlpflichtfach (compulsory optional subject/elective module)
S	Studio	SE	Seminar
L	Lecture	P	Project

Open Space and Environmental Planning	
Language of instruction	German/English ³
Course content	As part of this focus, a range of different courses on the topics of open space, landscaping and environmental planning is offered. The focal point is on current topics (such as adaptation to climate change), and instrumental (effectiveness of planning instruments) as well as methodological aspects (modeling; design, planning and research methods).
Competencies	Students deepen their scientific knowledge and planning skills in the topics mentioned above and learn from current problems and research topics to develop methodologically sound solutions.
Example courses	<ul style="list-style-type: none"> a) Instruments of landscape and environmental planning b) Methods of Environmental Planning and Research c) Methods of Geoinformatics in Spatial Planning d) Urban ecology and open space planning e) Handling of space-related risks and consequences of climate change in spatial planning
Possible examinations / Exercises	Student (research) papers or oral examinations; The partial course exercises refer to the courses. The form of examination will be announced in the lecture catalogue ("Vorlesungsverzeichnis").
Prerequisite	Basic knowledge of landscape ecology, landscape and environmental planning and GIS is required.
Responsible Individual	Gruehn

³ Some courses within the specializations will be taught in English and can be taken by all students as part of Module 3

Abbreviations

E Exercise	(WP) Wahlpflichtfach (compulsory optional subject/elective module)
S Studio	SE Seminar
L Lecture	P Project

Spatial and Mobility Research	
Language of instruction	German/English ⁴
Course content	A main feature of this focus is the research-oriented discussion of current issues of spatial development and mobility. The course focuses in particular on the study of theoretical concepts and methodological tools of spatial and mobility research, the development and preparation of research questions as well as on writing scientific texts and on the interpretation of empirical findings.
Competencies	Students deepen their knowledge of spatial science and skills, get to know current regional and transport research topics and research designs and learn to design their own research projects. At the same time they will learn to undertake methodically challenging research projects and to link research findings with conceptual conclusions. At the same time they learn to present research findings in writing and orally.
Example courses	<ul style="list-style-type: none"> a) Advanced methods of quantitative mobility research b) From traffic analysis to transportation concepts c) Migration, segregation, integration - empirical research and technical discussions d) Design and acquisition of research projects e) Transportation planning in the city and region
Possible examinations / Assignments	Student (research) papers; The partial course exercises refer to the courses. The form of examination will be announced in the lecture catalogue ("Vorlesungsverzeichnis").
Prerequisite	It is assumed that students have basic knowledge of qualitative and quantitative research methods or acquire this knowledge prior to the course. Own experiences in the implementation, such as in the Bachelor thesis, are desirable.
Responsible Individual	Holz-Rau

⁴ Some courses within the specializations will be taught in English and can be taken by all students as part of Module 3

Abbreviations			
E	Exercise	(WP)	Wahlpflichtfach (compulsory optional subject/elective module)
S	Studio	SE	Seminar
L	Lecture	P	Project

Real Estate Management (In cooperation with Department 10)

Lehrveranstaltungs-sprache - Language of instruction

Deutsch / Courses only offered in German⁵

Lehrinhalte - Course content

Gegenstand ist das Management integrierter Wohn- und Gewerbeimmobilien. Entsprechend des zentralen Lebenszyklusansatzes werden die Methoden und Instrumente zur Planung, Entscheidung und Steuerung von Immobilien sowohl in der Entwicklungs- als auch in der Nutzungsphase vorgestellt und angewandt. In „Immobilienprojektentwicklung“ werden z.B. zunächst einzelne Neubauprojekte im Wohn- und Gewerbebau konzeptioniert und im Hinblick auf ihre Machbarkeit untersucht. Dazu werden den Teilnehmerinnen und Teilnehmern phasenorientiert die notwendigen theoretischen Methoden und Controllinginstrumente wie das Benchmarking und die Geographischen Informationssysteme im Rahmen der Standort- und Marktanalyse, die rechnergestützte Flächen- und Kostenanalyse für Nutzungskonzeptionen wie auch die rechnergestützte Wirtschaftlichkeitsanalyse in der Ableitung des Entwicklungskonzeptes vorgestellt. Diese methodischen und instrumentellen Grundlagen werden in der Folgeveranstaltung zur Immobilienvermögensentwicklung“ aufgegriffen, indem u.a. Optimierungs- und Simulationsmodelle für die Planung aber auch für die Projektsteuerung unter Berücksichtigung der Entwicklungsrisiken und der Prognoseunsicherheit erarbeitet werden. Für das Management in der Nutzungsphase werden Immobilien dann einmal aus der eher technischen Perspektive des Facility Managers und einmal aus der kaufmännischen Perspektive des Asset bzw. Portfolio Managers untersucht. Aktuelle (technologieorientierte) Forschungsergebnisse und Megatrends werden in der Veranstaltung „Property Research & PropTech Development“ behandelt, deren Besuch zur Vorbereitung einer Masterthesis im Vertiefungsbereich Immobilienmanagement empfohlen wird.

Kompetenzen - Competencies

Die Studierenden erlernen die theoretischen Kenntnisse, die für die integrierte Entwicklung und Nutzung von Wohn- und Gewerbeimmobilien erforderlich sind. Entsprechend des allgemeinen Controlling-Leitbildes reichen diese von der ex-ante Planung und Analyse über die Entscheidungsbewertung bis hinein in die ex-post Wirkungskontrolle. Anhand empirischer Fallstudien erfahren die Studierenden die Fach- und Handlungskompetenz zur Beurteilung der Erfolgsfaktoren sowie zum zieladäquaten Mitteleinsatz auf den verschiedenen Gebieten des Immobilienmanagements. Diese Kompetenzen erproben die Studierenden sowohl auf der theoretischen Ebene wie auch praktisch anhand integrierter Übungen und realer Entscheidungssituationen im PC-Pool.

Veranstaltungen (Beispiele) - Example courses

- f) Immobilienprojektentwicklung
- g) Immobilienvermögensentwicklung
- h) Property Research & PropTech Development
- i) Asset und Portfoliomanagement (Fak. 10, zwei Teileistungen)
- j) Facility Management I (Fak. 10)

Mögliche Prüfungen / Teileistungen - Possible examinations / Partial exercises

Studienarbeiten oder Klausuren (Fak. 10);

Die Teileistungen sind den Veranstaltungen zugeordnet. Die Prüfungsform wird im kommentierten Vorlesungsverzeichnis angekündigt.

Inhaltliche Voraussetzungen - Prerequisite

Es wird erwartet, dass alle teilnehmenden Master-Studierenden ein vergleichbares ‚Know-how‘, wie Sie es durch den Besuch des Moduls „Wohn- und Gewerbeimmobilien“ (im Bachelor Raumplanung der TU Dortmund: Modul 22) erworben wird, aufweisen.

⁵ Some courses within the specializations might be taught in English and can be taken by all students as part of Module 3

Abbreviations

E	Exercise	(WP)	Wahlpflichtfach (compulsory optional subject/elective module)
S	Studio	SE	Seminar
L	Lecture	P	Project

Verantwortliche – Responsible Individual
Nadler

Abbreviations

E Exercise

S Studio

L Lecture

(WP) Wahlpflichtfach (compulsory optional subject/elective module)

SE Seminar

P Project

Erneuerbare Energien / Renewable Energies
Kooperationsschwerpunkt mit Fak. 08 - In cooperation with Department 08

Lehrveranstaltungssprache - Language of instruction
Deutsch / Course only offered in German⁶

Lehrinhalte - Course content

Der Schwerpunkt bietet eine umfassende Verknüpfung elektrotechnischer und raumplanerischer Fragestellungen im Rahmen der lokalen und regionalen Erzeugung und Nutzung erneuerbarer Energien. Aufgegriffen werden die aktuellen Zielsetzungen für einen Umbau des deutschen Strom- und Wärmeversorgungssystems und der eingeleiteten Entwicklungsprozesse im Rahmen der Energiewende. Schwerpunkte sind hierbei zum einen die raumbezogenen Planungsprozesse auf kommunaler und regionaler Ebene zur Ermittlung und Umsetzung der erforderlichen Flächen, Standorte und Trassen, zum anderen die Aufstellung von integrierten Entwicklungsplänen als Abstimmungsprozess zwischen den unterschiedlichen Akteuren aus den Bereichen der Fachplanung Energie sowie aus der räumlichen Gesamtplanung. Der Schwerpunkt integriert durch die Kooperation mit der Fakultät 08 eine Verknüpfung zu vertieftem Fachwissen aus der elektrischen Energietechnik (u. a. Dezentrale Versorgungsstrukturen, Technologien, Einspeisung, Netzintegration, Netzbetrieb, Rationelle Energiewandlung, Energiemanagement) als Grundlage für diese Planungen.

Kompetenzen - Competencies

Die Studierenden vertiefen ihre raumwissenschaftlichen Kenntnisse und Kompetenzen und ergänzen diese um fachtechnische Kenntnisse aus dem Bereich der elektrischen Energietechnik. Hierzu lernen sie aktuelle raum- und energiewissenschaftliche Forschungsthemen mit hoher Aktualität und starkem Anwendungsbezug kennen. Gleichzeitig lernen sie interdisziplinär zu arbeiten und Fachinhalte aus der Energiewirtschaft und Energietechnik zu präsentieren und schriftlich oder mündlich darzustellen. Mit einer breiten ingenieurwissenschaftlichen Grundlage bildet dieser Schwerpunkt darauf vor, den Herausforderungen der Energiewende interdisziplinär zu begegnen und sie von der technischen und planerischen Vorbereitung bis zu Umsetzung und Evaluation zu begleiten.

Veranstaltungen (Beispiele) - Example courses

- a) Kommunale und regionale Energiekonzepte
- b) Raumplanerische Aspekte erneuerbarer Energien
- c) Dezentrale und regenerative Energieversorgung (Fak. 08)
- a) Energieeffizienz und Power Quality (Fak. 08)

Mögliche Prüfungen / Teilleistungen - Possible examinations / Partial exercises

Studienarbeiten oder mündliche Prüfungen;
Die Teilleistungen sind den Veranstaltungen zugeordnet. Die Prüfungsform wird im kommentierten Vorlesungsverzeichnis angekündigt. Veranstaltung a und d sowie b und c werden jeweils gemeinsam geprüft.

Inhaltliche Voraussetzungen - Prerequisite

Es wird vorausgesetzt, dass die Studierenden über Grundkenntnisse aus der Physik (Elektrotechnik) verfügen oder sich diese im Vorfeld der Veranstaltungen aneignen. Eigene Erfahrungen in der Anwendung, z. B. in der Bachelor-Arbeit, sind erwünscht.

Verantwortliche – Responsible Individual

Grigoleit

⁶ Some courses within the specializations might be taught in English and can be taken by all students as part of Module 3

Abbreviations

E	Exercise	(WP)	Wahlpflichtfach (compulsory optional subject/elective module)
S	Studio	SE	Seminar
L	Lecture	P	Project

Urban Transformation

Lehrveranstaltungssprache / Language of instruction
Englisch

Course content
All urban areas in advanced European countries and beyond are facing huge spatial challenges. The drivers for urban transformation are manifold and include technological change and digitalization (smart cities), migration and demographic changes, climate change, increasing relevance of agglomeration economies, as well as post- and re-industrialization. The spatial impacts of these transformations are complex and in part contradictory. Growth in metrocities (or post-metropolis) goes hand in hand with functional and physical densification in de-centralized agglomerations. At the same time, we observe urban shrinkage, the growth of low-density suburbs and the rising relevance of what Sieverts called the Zwischenstadt (in-between city). The spatial implications of structural change and the organization of such transformation demand for deliberate strategies to plan, govern and revitalize urban areas, economically, socially and environmentally. In the scholarly literature, a wide range of new forms of interventions such as social innovation, governance, social innovation, resilience, urban laboratories and urban strategy are discussed to established approaches like learning regions or incremental planning.

Competencies
The specialization aims to attract highly qualified students, wishing to learn more about innovative strategies to transform cities and regions at a location offering brilliant in situ conditions to understand the complexity of governance and planning. The programme builds upon a full 4-year bachelor programme in spatial planning, as established at the TU Dortmund. The philosophy of the programme is based on the understanding of planning as a multi-disciplinary discipline. The course and projects in the programme seek to bridge international theories of structural change and spatial transformation with the practice of governance in cities and regions.

- Example courses**
- b) Ruhr as laboratory for structural change
 - c) European experience in transformation processes
 - d) Innovative strategies for traditional industrial regions
 - e) Economics of structural change
 - g) European Planning Systems and Planning Cultures

Possible examinations / Exercises
Student research papers

Prerequisite
It is expected that students with a bachelor or master degree in other disciplines besides planning (such as geography, urban and regional economics, political science, public management, urban design, landscape design, urban engineering, sociology or cultural studies) have profound knowledge and competence in spatial planning.

Responsible Individual
Zimmermann

Abbreviations

E	Exercise	(WP)	Wahlpflichtfach (compulsory optional subject/elective module)
S	Studio	SE	Seminar
L	Lecture	P	Project

Master Thesis						
Course of studies: M. Sc. Spatial Planning						
Regular cycle: Each semester		Duration: 1 Semester		Taught: 2 nd semester	Credits: 20	Time: 600 h
1	Module structure					
	No.	Element / course	Type	credits	Hours per week	
	1	Master thesis	(WP)	20		
2	Language of instruction German/English					
3	Course content The Master's thesis is a scientific work in the field of spatial planning. The work may have a theoretical, empirical or conceptual/creative focus. Students can make suggestions for the theme of the work.					
4	Competencies The Master thesis is to show that the student is able to work independently within a given period of four months on a complex spatial planning issue according to scientific standards and methods.					
5	Examinations Module examination (graded)					
6	Type of examination / Course exercise Master thesis (max. 175.000 characters, without spaces); The Master thesis can be prepared and written by two students.					
7	Prerequisite none					
8	Type of module and corresponding program Compulsory module in the M.Sc. Spatial Planning ("Raumplanung")					
9	Module Coordinator Chair of Examination Board			Responsible Department Department of Spatial Planning (09)		

Abbreviations

E	Exercise	(WP)	Wahlpflichtfach (compulsory optional subject/elective module)
S	Studio	SE	Seminar
L	Lecture	P	Project