

**Modulhandbuch für den Studiengang Urban Design and Sustainable Revitalization
(universitäres Profil), Doppelabschluss,
Master of Science, Prüfungsordnung 2024**
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Module 11394 Master Thesis

assign to: Total Account

Study programme Urban Design and Sustainable Revitalization

Degree	Module Number	Module Form
Master of Science	11394	Mandatory

Modul Title	Master Thesis
	Master-Arbeit
Department	Faculty 6 - Architecture, Civil Engineering and Urban Planning
Responsible Staff Member	Prof. Schmidt, Verena
Language of Teaching / Examination	English
Duration	1 semester
Frequency of Offer	Every summer semester
Credits	30
Learning Outcome	<p>The candidate demonstrates with the master thesis that he/she is scientifically competent, understands the professional knowledge of urban design, has the ability to critically apply and reflect scientific methods and findings and is able to independently design projects and therefore has acquired the fundamental professional knowledge and manual skills to enter the specialist practice.</p> <p>Single Degree (Urban Design and Sustainable Revitalization): The master's thesis in the field of urban design and sustainable revitalization may have a design-based, empirical, or theoretical focus. Empirical and design-based theses are expected to address a spatial context. All theses must demonstrate a clear conceptual contribution to the field.</p> <p>Double Degree (Urban Design – Revitalization of Historic City Districts): The master's thesis is supposed to integrate contents of at least two components of the study programme.</p>
Contents	<p>Single Degree (Urban Design and Sustainable Revitalization): Students and faculty can submit suggestions for thesis topics. The topic for the master's thesis is presented to an advisory committee consisting of faculty members in the form of a detailed exposé during a preliminary discussion of master's thesis topics. The approximately five-page exposé of the master's thesis topic should contain the following as an initial proposal: problem definition (practical and/or scientific), research</p>

questions, research design/methodology, local/regional case study or design area, first and second examiners. The student then coordinates the topic of the master's thesis with two lecturers or researchers as examiners and presents the thesis usually in a public colloquium at the university with the examiners.

Double Degree (Urban Design – Revitalization of Historic City Districts): The Thesis is to be accompanied by two professors from different Universities of the double master programme. The first supervisor (Professor) must be from the home university. The master thesis is based on applied science and experience and consists if applicable of graphics and models and scientific written explanations. The scientific written part must describe the problem, which should be solved, the goal and the status of planning and research concerning the topic. The concept or strategy of the master thesis must be described in a systematic way. The master thesis must be revisable, traceable, coherent and fulfil the scientific standards.

Recommended Prerequisites

none

Mandatory Prerequisites

Applies to the Examination and Study Regulation of 2024:

- Students who have completed a minimum of 84 credits at the time of registration will be eligible to undertake the Master Thesis.
- Students studying the double degree Master's Programme, who have completed a minimum of 60 credits, will be eligible to undertake the Master Thesis.

Applies to the Examination and Study Regulation of 2019:

- Students who have completed a minimum of 90 credits at the time of registration will be eligible to undertake the Master Thesis.

Forms of Teaching and Proportion

Consultation - 40 hours
Self organised studies - 860 hours

Teaching Materials and Literature

Dependents on the topic of the project.

Module Examination

Continuous Assessment (MCA)

Assessment Mode for Module Examination

- Master Thesis (75%)
- Defence (25%)

You find the formalities of the Master Thesis in the examination regulations Urban Design and Sustainable Revitalisation 2024 and in the following:

- The time limit for the Master Thesis is four months (16 weeks).
- The binding dates for submission and defence are announced by the examination board. As a rule, the dates (start of work, submission of the thesis, defence) are announce at the preparatory colloquium that takes place in March or September. The Master Thesis must be submitted to the supervisor on time, in duplicate and bound (drawings reduced in size) and also as a data-based version (data carrier); models and objects must be enclosed as images. The time of submission must be documented.

- Late, unexcused submission will result in the work not being recognised.
- If a late submission is excusable, the defence will be postponed by one cycle to the following semester.
- The thesis will be publicly exhibited by the author.
- The defence and the announcement of the results of the Master Thesis are public unless the candidate raises an objection. The defence usually takes place within two months after handing in the Thesis.
- The Thesis may also be recognised in the form of teamwork if the contribution of the individual candidates is clearly distinguishable and assessable on the basis of the indication of sections, page numbers or other objective criteria that allow a clear delimitation.

Evaluation of Module Examination	Performance Verification – graded
Limited Number of Participants	none
Remarks	In the event that the module cannot be taught or tested according to the present description (e.g. for reasons of infection protection), the alternatives communicated on relevant platforms (e.g. homepage or Moodle) apply.
Module Components	Submission of the thesis and presentation: The presentation is open to all employees and students of the university.
Components to be offered in the Current Semester	640212 Consultation Master Thesis - Urban Design 640290 Examination Master Thesis Urban Design

Module 14125 Design Studio Project I - Urban Design and Rehabilitation

assign to: Mandatory Modules

Study programme Urban Design and Sustainable Revitalization

Degree	Module Number	Module Form
Master of Science	14125	Mandatory

Modul Title	Design Studio Project I - Urban Design and Rehabilitation Entwurf Projekt I - Städtebau und Stadterneuerung
Department	Faculty 6 - Architecture, Civil Engineering and Urban Planning
Responsible Staff Member	Prof. Schmidt, Verena
Language of Teaching / Examination	English
Duration	1 semester
Frequency of Offer	Every winter semester
Credits	12
Learning Outcome	<p>At the end of the module, students will be able to place the neighbourhood in the context of the city, define specific urban problems, and recognize inherent potentials for improving the quality of life through employing urban design tools. They will become familiar with strategies for urban rehabilitation, revitalization, and development. Additionally, students can apply practical exercises and theoretical findings to the design process.</p> <p>Students will also acquire the ability to conduct a creative urban analysis of a given study area from a morphological, historical, social, economic, and environmental perspective. They will understand multiple layers and systems of an urban structure, define the requirements and opportunities for redevelopment, understand the correlation between urban space and building typology, develop an urban design concept, and finally, be proficient in reasoning and presenting a project.</p>
Contents	<p>The project is offered in the form of a design project and is carried out in teams of 2 to 3 students. In the Project issues related to urban rehabilitation, revitalization, and development of existing building stock, as well as urban extensions and new developments in conversion areas at the neighbourhood level, are analysed and developed into a design solution. Expanding beyond specific neighbourhoods, the module explores the intricate dynamics of the city as a complex entity. It involves practicing how urban mechanisms respond to interventions in urban space, recognizing, evaluating, and harnessing these dynamics. A creative analysis of the context, is followed of conceptually and strategically work in a team within a given time and to propose an urban program. Conceptual ideas are then developed based on</p>

identified problems, qualities, and potentials, tested through alternatives, and weighed against the backdrop of conditions for city production. Depending on the specific question, the urban design concept will be developed into guidelines and strategies and finally translated into spatial solutions on both urban and architectural scales.

Recommended Prerequisites	none
Mandatory Prerequisites	none
Forms of Teaching and Proportion	Excursion - 30 hours Study project - 4 hours per week per semester Self organised studies - 270 hours
Teaching Materials and Literature	will be announced by the
Module Examination	Continuous Assessment (MCA)
Assessment Mode for Module Examination	1. 1st interim presentation, max. 15min; 10 % 2. 2nd interim presentation, max. 15min; 20 % 3. final presentation, max. 30 min; 70 %
Evaluation of Module Examination	Performance Verification – graded
Limited Number of Participants	none
Remarks	In the event that the module cannot be taught or examined in accordance with this description (e.g. for reasons of infection control), the alternatives communicated on the relevant platforms (e.g. homepage or Moodle) apply.
Module Components	Projekt „Design Studio Project I – Urban Design and Rehabilitation“
Components to be offered in the Current Semester	No assignment

Module 14128 Fundamentals of Urban Design and Development

assign to: Mandatory Modules

Study programme Urban Design and Sustainable Revitalization

Degree	Module Number	Module Form
Master of Science	14128	Mandatory

Modul Title	Fundamentals of Urban Design and Development Grundlagen des Städtebaus und der Stadtentwicklung
Department	Faculty 6 - Architecture, Civil Engineering and Urban Planning
Responsible Staff Member	Prof. Dipl.-Ing. Lundqvist, Anna
Language of Teaching / Examination	English
Duration	1 semester
Frequency of Offer	Every winter semester
Credits	6
Learning Outcome	Students will gain a broad understanding of key concepts in urban design, landscape architecture and urban planning. They will cultivate their perspective on sustainable urban development and the integration of historic or existing neighbourhoods into a larger framework of urban development. By the end of the module, students are expected to demonstrate an increased awareness of fundamental principles, critical thinking skills and the ability to apply theoretical knowledge to real world scenarios, promoting a holistic approach to urban design.
Contents	This module will feature a dynamic range of lectures and accompanying tutorials delivered by the Chair Städtebau und Etnwerfen, Landschaftsarchitektur, Urban Design and Urban Studies and Stadtplanung, each specializing in various facets of urban design, development, and architecture in a existing context. Topics covered will include urban design and planning principles, sustainable revitalization, open space design and development strategies, as well as the intricate relationship between contemporary architecture and historical contexts. The diverse perspectives presented in the lectures will enrich students' understanding of urban design, providing a well-rounded education. Through this mandatory module, students will be enabled to critically analyse and contribute to the dynamic field of urban design and sustainable revitalization.
Recommended Prerequisites	none
Mandatory Prerequisites	none
Forms of Teaching and Proportion	Lecture - 2 hours per week per semester

	Exercise - 1 hours per week per semester Excursion - 16 hours Self organised studies - 119 hours
Teaching Materials and Literature	will be announced by the lecturers
Module Examination	Continuous Assessment (MCA)
Assessment Mode for Module Examination	<ul style="list-style-type: none">• Exercise 1. 25 %• Exercise 2. 25 %• Exercise 3. 25 %• Exercise 4. 25 %
Evaluation of Module Examination	Performance Verification – graded
Limited Number of Participants	none
Remarks	Participation expected in at least two day-field trips! In the event that the module cannot be taught or examined in accordance with this description (e.g. for reasons of infection control), the alternatives communicated on the relevant platforms (e.g. homepage or Moodle) apply.
Module Components	lecture/excercise Fundamentals of Urban Design and Development
Components to be offered in the Current Semester	No assignment

Module 11395 Town and House

assign to: Compulsory Elective Modules

Study programme Urban Design and Sustainable Revitalization

Degree	Module Number	Module Form
Master of Science	11395	Compulsory elective

Modul Title	Town and House Stadt und Haus
Department	Faculty 6 - Architecture, Civil Engineering and Urban Planning
Responsible Staff Member	Prof. Schmidt, Verena
Language of Teaching / Examination	English
Duration	1 semester
Frequency of Offer	Every winter semester
Credits	6
Learning Outcome	<p>After successful completion of the module the students are able to:</p> <ul style="list-style-type: none"> • analyse the interdependencies of the culture of everyday life, urban fabric and house type, write an assignment on basis of literature and on-site investigation, • produce sketches (freehand), • produce scale analysis plans of urban design (scale 1:5000 to 1:500), • produce scale building plans with floor plan, elevation and section, including the use of interior and exterior areas (1:200 to 1:50), • present addition and variation patterns on the city system as well as • type versions and transformations (1:1000 to 1:50), • produce concept models and scale models, • orally present their work. <p>They are able to apply the following techniques target-oriented:</p> <ul style="list-style-type: none"> • Comprehending inter-linked dependencies of different forms of society, culture of everyday life, architecture and city; describing the scope for negotiations between house design as constitutive building block of the city and city design as conditioning pre-setting for the house. Deriving parameters, determining the relation of house type and urban fabric, private and public space, recognising standard types, norms and its variations, transformations. Summary and presentation of the information collected by means of texts and plans. • Independent analysis and interpretation of the urban fabric and its characteristics under consideration of current conditions and standards, interpretation of strategies and design conceptions of • the urban design system in dialogue between house type and urban fabric, variations of house type and addition pattern. Presentation by means of plan and model.

Contents	Urban design in its dependency on the form of society and the culture of everyday life; correlations in the relationship city and house; order principles of urban design and self building processes; historical references and its consequences on the configuration of private and public space, typologies of urban building blocks, genesis of technical norms and standards; consequences of technical and constructive innovations on the urban fabric, forms of appropriation for city and house.
Recommended Prerequisites	none
Mandatory Prerequisites	none
Forms of Teaching and Proportion	Seminar - 4 hours per week per semester Self organised studies - 120 hours
Teaching Materials and Literature	<ul style="list-style-type: none">• Selected literature will be provided at the beginning of the course.
Module Examination	Continuous Assessment (MCA)
Assessment Mode for Module Examination	<ul style="list-style-type: none">• Presentation approx. 15 min. + debate (30%)• Submission of a written seminar paper or project work and documentation (approx. 25 pages DIN A4) (70%) In the first class, the examination requirements will be specified.
Evaluation of Module Examination	Performance Verification – graded
Limited Number of Participants	none
Remarks	In the event that the module cannot be taught or tested according to the present description (e.g. for reasons of infection protection), the alternatives communicated on relevant platforms (e.g. homepage or Moodle) apply.
Module Components	<ul style="list-style-type: none">• Seminar Urban Seminar
Components to be offered in the Current Semester	No assignment

Module 13810 International Building and Planning Law

assign to: Compulsory Elective Modules

Study programme Urban Design and Sustainable Revitalization

Degree	Module Number	Module Form
Master of Science	13810	Compulsory elective

Modul Title	International Building and Planning Law Internationales Bau- und Planungsrecht
Department	Faculty 6 - Architecture, Civil Engineering and Urban Planning
Responsible Staff Member	Prof. Dr.-Ing. Weyrauch, Bernhard
Language of Teaching / Examination	English
Duration	1 semester
Frequency of Offer	Each winter semester even year
Credits	6
Learning Outcome	Foreign operations and cooperation with foreign partners and companies are increasingly gaining importance. The participants are able to become familiar with the respective national building regulations. They know the legal bases, which are relevant for their plans and drafts, to act for foreign clients. The participants gain more knowledge about the fundamental problems of international contract law.
Contents	The modul gives an insight into the international field of work of planners and architects. The focus is on the comparison of national planning laws and building regulations of different states. The students gain basic knowledge for working abroad by giving them insight into different legal systems and planning systems. They are able to handle with divergent legislation and national standards. Other topics are developments in European law as well as European directives and requirements, which are important for planning and construction.
Recommended Prerequisites	knowledge of English
Mandatory Prerequisites	No successful participation in module <i>21501 Internationales Bau- und Planungsrecht</i> .
Forms of Teaching and Proportion	Seminar - 4 hours per week per semester Self organised studies - 120 hours
Teaching Materials and Literature	<ul style="list-style-type: none"> • Specific literature • Legal texts • Current online-information • further literature recommendations at the beginning of the semester

Module Examination	Continuous Assessment (MCA)
Assessment Mode for Module Examination	<ul style="list-style-type: none">• Lecture with poster and written statment (approx. 5 pages) (80%)• Active participation in the seminar event (20%)“
Evaluation of Module Examination	Performance Verification – graded
Limited Number of Participants	50
Remarks	In the event that the module cannot be taught or tested according to the present description (e.g. for reasons of infection protection), the alternatives communicated on relevant platforms (e.g. homepage or Moodle) apply. Attempted fraud of a (partial) service inevitably leads to Failing the entire module.
Module Components	Seminar „International Building and Planning Law“
Components to be offered in the Current Semester	No assignment

Module 14129 Landscape Architecture and Public Space Design

assign to: Compulsory Elective Modules

Study programme Urban Design and Sustainable Revitalization

Degree	Module Number	Module Form
Master of Science	14129	Compulsory elective

Modul Title	Landscape Architecture and Public Space Design Landschaftsarchitektur und Gestaltung öffentlicher Räume
Department	Faculty 6 - Architecture, Civil Engineering and Urban Planning
Responsible Staff Member	Prof. Dipl.-Ing. Lundqvist, Anna
Language of Teaching / Examination	English
Duration	1 semester
Frequency of Offer	Every winter semester
Credits	6
Learning Outcome	At the end of the module the student are able to: <ul style="list-style-type: none"> • survey of several existent open space projects on urban site • research of literature as well as research on-site • write a report including analysis maps (topic dependent: scale 1:1000 - 1:200), describe graphics and photos • hold oral presentation, comparative discussion • interpret and abstract analysis results in terms of open space instruments and superior design aspects • apply acquired repertoire to one or several conceptual design situations
Contents	<ul style="list-style-type: none"> • Analytical exposure to landscape architecture in the context of existent built structures • Survey of design instruments and qualities of precise objects • Aim-oriented examination of deficiencies and potentials as well as the social, historical or cultural background of the project • Appropriate development of ideas for specific situations in different scales • Implementation in an adequate illustration
Recommended Prerequisites	none
Mandatory Prerequisites	none
Forms of Teaching and Proportion	Study project - 4 hours Self organised studies - 120 hours
Teaching Materials and Literature	<ul style="list-style-type: none"> • Curdes, Gerhard: Stadtstrukturelles Entwerfen, Stuttgart 1994

- Ermer, Klaus; Hoff, Renate; Mohrmann, Rita: Landschaftsplanung in der Stadt, Stuttgart 1996
- Loidl, Hans; Bernard, Stefan: Freiraumgestaltung, ...2004
- Mader, Günter; Neubert-Mader, Laila: Bäume, Gestaltungsmittel in Garten, Landschaft und Städtebau, Stuttgart 1996
- Mader, Günter: Freiraumplanung, Hausgärten, Grünanlagen, Stadtlandschaften, München 2004
- Norberg-Schulz, Christian: Genius Loci, Stuttgart 1982
- Treib, Marc: Modern Landscape Architecture, Cambridge MA, 1993
- Städtebauliches Institut Stuttgart: Lehrbausteine Städtebau, Stuttgart, 2001
- Valena, Tomás: Beziehungen – über den Ortsbezug der Architektur, Berlin 1994
- Quod vide monographs and edited volumes to contemporary works by international landscape architects, chair library, bibliography and professional journals

Module Examination

Continuous Assessment (MCA)

Assessment Mode for Module Examination

- assignment 1: analysis, presentation and discussion
theme: description of one typology of urban open spaces (20 %)
slides presentation with images, text and documents, 10 minutes including debate and reader in qualified layout.
- assignment 2: graphic analysis and urban mapping - presentation and discussion
theme: analysis of an open urban space within the urban design project – urban mapping (30 %)
presentation with drawings, collages, sketches, 10 minutes, including debate
- assignment 3: design and development of an urban open space, presentation and discussion, in cooperation with the urban design project (50 %)
presentation with drawings 10 minutes, including debate

Evaluation of Module Examination

Performance Verification – graded

Limited Number of Participants

none

Remarks

none

Module Components

Study project

Components to be offered in the Current Semester

No assignment

Module 25106 Conservation / Building in Existing Fabric

assign to: Compulsory Elective Modules

Study programme Urban Design and Sustainable Revitalization

Degree	Module Number	Module Form
Master of Science	25106	Compulsory elective

Modul Title	Conservation / Building in Existing Fabric
	Rekonstruktion und Erhaltungsarbeiten / Neubau im Bestand
Department	Faculty 6 - Architecture, Civil Engineering and Urban Planning
Responsible Staff Member	Prof. Dr. phil. habil. Blokker, Johanna
Language of Teaching / Examination	English
Duration	1 semester
Frequency of Offer	Every winter semester
Credits	6
Learning Outcome	Upon completion of the module, students are able to understand key aspects of the history and theory of architectural conservation and heritage, including its conceptual foundations and core issues, and can apply this knowledge to unfamiliar situations across a range of temporal and cultural contexts. They are able to evaluate the role played by historic buildings and ensembles as well as other tangible and intangible artefacts of the past in social, political and cultural processes both past and present. They can create strategies for assessing the significance of buildings, ensembles and artefacts, for conserving their tangible and intangible values, and for communicating knowledge about them both to specialists from neighbouring fields and to a wider public.
Contents	The history and theory of architectural conservation from Antiquity to the present as well as the development of the concept of heritage in the 20 th and 21 st centuries constitute the primary focus of the module. The role played by historic buildings, ensembles and sites as well as other tangible and intangible artefacts of the past in social, political and cultural processes is discussed. Contemporary international discourses on significance are introduced together with methods for its assessment, preservation and communication that draw on a range of approaches from the humanities and the social sciences. Current challenges in conservation practice such as the management of change are examined in relation to developments in the fields of architectural design and urban planning and against the background of growing concerns for environmental protection and human rights.
Recommended Prerequisites	none

Mandatory Prerequisites	No double occupancy with Module <i>13676 - Denkmalpflege</i> .
Forms of Teaching and Proportion	Lecture - 4 hours per week per semester Self organised studies - 120 hours
Teaching Materials and Literature	A list of current and relevant literature is provided in the lecture at the beginning of the semester.
Module Examination	Final Module Examination (MAP)
Assessment Mode for Module Examination	Written examination, graded – 90 mins
Evaluation of Module Examination	Performance Verification – graded
Limited Number of Participants	none
Remarks	In the case that teaching and evaluation methods cannot take place as previously established (due to Corona or similar situations), alternative teaching formats and assessment methods will be announced on the respective homepages of the respective chair, or on the moodle platform.
Module Components	<ul style="list-style-type: none">• Lecture Architectural Conservation – Heritage in Context• Examination Architectural Conservation – Heritage in Context
Components to be offered in the Current Semester	No assignment

Erläuterungen

Das Modulhandbuch bildet als Teil der Prüfungsordnung die Rechtsgrundlage für ein ordnungsgemäßes Studium. Darüber hinaus soll es jedoch auch Orientierung bei der Gestaltung des Studiums geben.

Dieses Modulhandbuch wurde am 18. März 2026 automatisch für den Master (universitär) - Doppelabschluss-Studiengang Urban Design and Sustainable Revitalization (universitäres Profil), PO-Version 2024, aus dem Prüfungsverwaltungssystem auf Basis der Prüfungsordnung generiert. Es enthält alle zugeordneten Module einschließlich der ausführlichen Modulbeschreibungen mit Stand vom 18. März 2026. Neben der Zusammensetzung aller Veranstaltungen zu einem Modul wird zusätzlich das Veranstaltungsangebot für das jeweils aktuelle Semester gemäß dem Verzeichnis der BTU ausgegeben.

The module catalogue is part of the examination regulation and as such establishes the legal basis for studies according to the rules. Furthermore, it should also give orientation for the organisation of the studies.

This module catalogue was generated automatically by the examination administration system on the base of the examination regulation on the 18 March 2026, for the Master (universitär) - Doppelabschluss of Urban Design and Sustainable Revitalization (research-oriented profile). The examination version is the 2024, Catalogue contains all allocated modules including the detailed module descriptions from 18 March 2026. Apart from the composition of all components of a module, the list of lectures, seminars and events for the current semester according to the catalogue of lectures of the BTU is displayed.