

Master's degree in Architecture, Trier University of Applied Sciences: Study plan (as per Fach-PO 2025):

	1		2		3		4		Summe		
	SWS	LP (ECTS)	SWS	LP (ECTS)	SWS	LP (ECTS)	SWS	LP (ECTS)	SWS	LP (ECTS)	Gewicht
Pflichtmodule											
Entwurfsprojekt Grundlagen	4	6							4	6	1
Sonderthemen der Konstruktion	4	6							4	6	1
Projektieren im historischen Kontext	2	3							2	3	1
Theorie I	2	3							2	3	1
Leitbilder Europäische Städte	4	6							4	6	1
Entwurfsprojekt			8	12					8	12	1
Konzeptionelles Entwerfen			4	6					4	6	1
Wissenschaftliche Methoden der historischen Bauaufnahme			2	3					2	3	1
Theorie II			2	3					2	3	1
Vertiefungsprojekt					8	12			8	12	1
Konstruktion und Bauphysik					4	6			4	6	1
Konstruktion und Bauweisen im internationalen Vergleich					4	6			4	6	1
Seminar zur Abschlussarbeit							2	3	2	3	1
Internationales Projektmarketing							4	6	4	6	1
Summe	16	24	16	24	16	24	6	9	54	81	14
Wahlpflichtmodule											
WM Wahlpflichtmodule*	4	6	4	6	4	6			12	18	3
Summe	4	6	4	6	4	6			12	18	3
Abschlussarbeit							3	18	3	18	1
Kolloquium über die Abschlussarbeit							1	3	1	3	1
Summe Abschlussarbeit							4	21	4	21	2
Summe ges.	20	30	20	30	20	30	10	30	70	120	19

Information

* Der Prüfungsausschuss des Studiengangs Architektur im Fachbereich Gestaltung veröffentlicht am Ende eines jeden Semesters für den Masterstudiengang "Architektur" einen Katalog mit dem Angebot der Wahlpflichtmodule des folgenden Semesters.

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EXPLANATION OF PORTFOLIO ASSESSMENTS

The Architecture program specifies the following portfolio assessment format for its Master's program in Architecture:

Portfolio reviews demonstrate the ability to carry out creative projects, from research to the finished project result. The portfolio assessment includes documentation of one or more projects developed within the module, typically covering research, brainstorming, a detailed description of the development process, the application of the project results, the results themselves, and an outlook on further work. A presentation may be part of a portfolio assessment.

The scope and components of the portfolio assessment will be announced by the respective examiners at the beginning of the semester or at the beginning of the course.

The workload for the portfolio assessment shall not exceed two-thirds of the total student workload specified for the respective module.

DESIGN

Module title: Design Project Fundamentals				Module no.: MAR 1.1	
Module duration	Semester in which the module takes place	Frequency		Credit points (ECTS)	Weighting of the grade for the final grade
1 Semester	1st semester	☒ Every winter semester ☐ Every summer semester ☐ as needed		6 ECTS	Based on the subject-specific study regulations
Courses/teaching methods		Contact time	Self-study	Total workload for students	
Project, excursion		4 hours per week / 60 hours	120 hours	180 hours	
Competence goals (learning outcomes)					
▪ Students are able to explore the given context of a European city and identify the special characteristics of the location (genius loci). Based on these analyses, students are able to derive necessary and possible actions for urban development interventions. ▪ They possess the ability to analyze complex urban problems and use this analysis to develop the concept and objectives for an individual project; the knowledge and ability to apply relevant design approaches and planning strategies; the ability to formulate a thematic model and a project idea. ▪ You are able to understand specific parameters of urban and landscape space, climate, regional cultural and building traditions, and incorporate them into your concept development. In doing so, they take particular account of aspects of sustainability, climate-adapted planning, and urban resilience to social, ecological, and economic challenges. ▪ They are able to systematically develop individual designs and convey them conceptually, programmatically, spatially, and in terms of appearance and presentation media. This includes the ability to present sustainable and resilient solutions in a visible and comprehensible manner. ▪ Students acquire the following skills: the ability to think in a structured and analytical manner in order to achieve goals; the ability to develop concepts independently; the ability to influence of competing interests and diverging factors; ability to reflect on professional practice; further development of previously acquired skills and their application to a task developed from practice; ability to individually qualify and profile oneself for professional practice in the context of current transformation processes. ▪ Students will acquire the following qualifications: knowledge and ability to apply topic-specific research methods; knowledge and ability to apply discursive design methods and strategies with a special focus on sustainable and climate-resilient urban development.					
Contents					

▪ Students examine specific contextual connections between European cities and landscapes. Ecological, climatic, and social challenges are taken into account in order to promote sustainable and resilient urban structures. ▪ The urban design projects are each worked on against the backdrop of a multi-layered European city selected as central to the master's program and depict complex interrelationships—including the effects of climate change, resource consumption, and social change on urban space. ▪ The aim is to develop urban planning approaches and plans for selected locations, addressing various aspects and criteria that ultimately lead to a specific argument for a location and a program. The focus is on strategies for promoting climate-adapted, sustainable, and resilient urban development. ▪ These form the framework for the design project in the second semester, in which the fundamentals developed in the first semester are deepened and further developed in line with current requirements.		
Usability of the module		
MA Architecture	☒ Compulsory subject	☐ Elective
Study program recommendation		
Subject-specific architecture		
Recommended prerequisites for participation		
None		
Types of examinations		Requirements for awarding ECTS credits
☐ Written ☐ Oral examination ☐ Internship /laboratory work ☐ Colloquium	☐ Project presentation ☒ Portfolio incl. Presentation ☐ Seminar paper and term paper ☐ Practical exam	Minimum grade of satisfactory Examination performance
Instructor		Module coordinator
Variable, instructors of the architecture program		Prof. Robert Thum
Literature/learning aids		

- Clemens Bellut, Denise Scott Brown, Johann Feichter, Gleiniger, Andrea; Klaus Mainzer, Kostas Terzidis, Venturi, Robert, Georg Vrachliotis: Complexity: Design Strategy and Worldview (Context Architecture) / Birkhäuser, 2008
- Babias, Marius: From the City of Parts to the City of Participation / Berliner Projekte, 2013
- Jan Gehl: Cities for People / Jovis Verlag, 2015
- A. Gleiniger: Complexity: Design Strategy and Worldview / 2008
- Hartmut Häussermann, Walter Siebel: Urban Sociology / Campus Verlag, 2004
- Sandra Hofmeister: Copenhagen Urban Architecture and Public Spaces / Detail Architecture, 2025
- Arnulf Lüchinger: Structuralism in Architecture and Urban Planning / Karl Krämer Verlag, 1981
- Sigrun Kabisch et al.: The Resilient City / Springer Spektrum Verlag, 2023
- Martin Korda: Urban Planning Technical Fundamentals / Vieweg & Teubner, 2005
- Inga Mueller-Haagen et al.: The DNA of the City. An Atlas of Urban Structures in Germany / Schmidt Hermann Verlag, 2014
- Stefan Netsch: Urban Planning Handbook and Design Guide / Dom Publisher, 2020
- Thomas Oebbecke: Sustainability in Architecture and Urban Planning / Springer Vieweg Verlag, 2025
- Markus Schroer: Spaces, Places, Boundaries / Suhrkamp, 2006
- Thomas Sieverts: Zwischenstadt (Intermediate City) / Springer-Verlag, 2013
- Christa Reicher et al.: Urban Design / Springer Verlag, 2025
- Christa Reicher et al.: Urban Building Block: Housing / Springer Vieweg Verlag, 2022
- Leonhard Schenk: Urban Design / Birkhäuser Verlag, 2018
- Gerrit Schwalbach: Basics of Urban Planning and Urban Analysis / Birkhäuser Verlag, 2019
- Tanja Siems: Communicating the City / Birkhäuser Verlag, 2023
- David Sim: Gentle Urban Planning Ideas for Everyday Urban Life / Jovis Verlag, 2022
- Oswald Mathias Ungers, Rem Koolhaas; Peter Riemann, Hans Kollhoff, Arthur Ovaska: The City in the City / 2012
- A project-specific reading list will be provided with the assignment.

Max. number of participants

25

Status: WS 2025/2026

Module title: Design project				Module no.: MAR 1.2	
Module duration	Semester in which the module takes place	Frequency		Credit points (ECTS)	Weighting of the grade for the final grade
1 Semester	2nd semester	☐ Every winter semester ☒ Every summer semester ☐ as needed		12 ECTS	Based on the subject-specific study regulations
Courses/Teaching methods		Contact time	Self-study	Total workload for students	
Project		8 hours per week / 120 hours	240 hours	360 hours	
Competency goals (learning outcomes)					
- Students will be able to analyze complex contextual connections from older and more recent architectural history, urban space, requirements from a functional and spatial program, the actors involved and affected, and economic and technical feasibility, and evaluate them according to objective and subjective criteria. space program, the actors involved and affected, and economic and technical feasibility, and evaluate them according to objective and subjective criteria. - They are able to concretize a comprehensive spatial and functional program in an urban context in their designs. They have a command of the interrelationships between interior space and (public) exterior or landscape space. - You are able to communicate your individual design in a coherent manner using contemporary means in terms of architecture, construction, materials, appearance, and presentation media. - They are able to respond to different levels of criticism in a professional and constructive manner. Students acquire the following skills: the ability to think in a goal-oriented, structured, and analytical manner; the ability to independently develop concepts and to work on spatial concepts in a creative, constructive, and technical manner in accordance with international quality standards; the ability to work independently and in a team; the ability to communicate effectively and professionally; the ability to work independently and in a team; the ability to communicate effectively and professionally; the ability to work independently and in a team; the ability to communicate effectively and professionally; the ability to work independently and in a team; the ability to communicate effectively and professionally; the ability to work independently and in a team; analytical thinking; ability to independently develop concepts and to creatively, constructively, and technically process space-forming concepts in accordance with international quality standards; ability to represent a position that is environmentally responsible under the influence of competing interests and diverging factors; ability to reflect on professional practice; further development of previously acquired skills and their application to a task developed from practice; ability to individually qualify and profile oneself for professional practice. - Students possess the following qualifications: knowledge and ability to apply scientific and subject-specific research methods; knowledge and ability to apply discursive design approaches and planning strategies; knowledge of the standard processes used in construction and planning processes.					
Contents					
- As part of a design project, students develop an understanding of the topic, connections, and location, as well as an understanding and analysis of the task at hand, based on a real or fictional situation. - Concepts can be derived from the conditions of the location and/or associative/abstract images from philosophy, art, or literature. - Students define sub-goals and determine the organizational structure and work steps. The project work is carried out by means of project design, project processing/project planning in appropriate presentation scales (1:200 / 1:100) and presentation forms, including the development of a project portfolio. - Discussion and "correction" also takes place through "visiting critics" with (international) professional experience or academic backgrounds during project development and the final presentation.					
Usability of the module					
MA Architecture		☒ Compulsory subject		☐ Elective	
Study program recommendation					

Subject-specific architecture		
Recommended prerequisites for participation		
MAR 1.1 Design Project Fundamentals.		
Examination		Prerequisite for the award of ECTS
☐ Written ☐ Oral exam ☐ Internship /laboratory work ☐ Colloquium	☐ Project presentation ☒ Portfolio incl. presentation ☐ Seminar and term paper ☐ Practical exam	Minimum grade of satisfactory
Instructor		Module coordinator
Variable, instructors of the architecture program		Prof. Jan Henrik-Hafke
Literature/learning aids		
▪ Clemens Bellut, Denise Scott Brown, Johann Feichter, Andrea Gleiniger, Klaus Mainzer, Kostas Terzidis, Robert Venturi, Georg Vrachliotis: Complexity - Design Strategy and Worldview (Context Architecture) / Birkhäuser, 2008 ▪ Jörg Dünne, Stephan Günzel: Space Theory / Suhrkamp, 2006 ▪ Andri Gerber: Meta-History of Architecture / transcript Verlag, 2014 ▪ Marius Babias: From the City of Parts to the City of Participation / Berliner Projekte, 2013 ▪ Andrea Baier, Tom Hansing, Christa Müller, Karin Werne: Repairing the World / transcript Verlag, 2016 ▪ Dietrich Boschung, Julian Jachmann: Diagrammatics of Architecture / Morphomata, 2013 ▪ Peter Ebner: Typology+ / Birkhäuser, 2010 ▪ A. Gleiniger, G. Vrachliotis: Patterns: Ornament, Structure, and Behavior / 2009 ▪ A. Gleiniger: Complexity: Design Strategy and Worldview / 2008 ▪ Oswald Mathias Ungers, Rem Koolhaas, Peter Riemann, Hans Kollhoff, Arthur Ovaska: The City in the City / 2012 ▪ Thomas Sieverts: Zwischenstadt / Springer-Verlag, 2013 ▪ Arnulf Lüchinger: Structuralism in Architecture and Urban Planning / Karl Krämer, 1981 ▪ Hartmut Häussermann, Walter Siebel: Urban Sociology / Campus Verlag, 2004 ▪ Rem Koolhaas: Delirious New York: A Retroactive Manifesto for Manhattan / The Monacelli Press, 1994 ▪ A project-specific reading list will be provided with the assignment.		
Maximum number of participants		
25		
Status: WS 2025/2026		

Module title: Advanced project				Module no.: MAR 1.3	
Module duration	Semester in which the module takes place	Frequency		Credit points (ECTS)	Weighting of the grade for the final grade
1 Semester	3rd semester	☒ Every winter semester ☐ Every summer semester ☐ as needed		12 ECTS	Based on the subject-specific study regulations
Courses/Teaching methods		Contact time	Self-study	Total workload for students	
Project, seminar, workshop		8 hours per week / 120 hours	240 hours	360 hours	
Competency goals (learning outcomes)					
▪ Master's students are able to recognize, structure, and further develop their personal competence and qualification profile, which has been shaped by their talents, inclinations, and abilities. ▪ They are capable of working in depth on a problem area according to objective criteria and applying scientific findings, and are able to develop quality standards for practical application as creators of building culture. ▪ Students have knowledge of the processes, division of labor, and distribution of competencies that are common in international construction and planning. ▪ Qualifications: Students acquire the knowledge and ability to apply subject- and topic-specific research methods in a targeted manner. ▪ Within the framework of systematic "research-based learning," students develop their own qualification profile as well as methodologies for independent scientific and creative work. ▪ The students learned how to visually present an in-depth design project to a group.					
Contents					
▪ Based on a design developed in the second semester of the master's program, students explore their own or assigned topics in greater depth, e.g., in the following areas of specialization: – Urban context, – Architectural space, – Historical context, – Materials science, – Structural engineering, – Building construction, – Construction technology, – Integrated planning / integrated technology. ▪ Results can include theoretical work, detailed structural plans, or model-based experimental studies. ▪ During the course of their work, students receive guidance on differentiated research, reflection/evaluation, and application.					
Usability of the module					
MA Architecture		☒ Compulsory subject		☐ Elective	
Recommended degree program					
Subject-specific Architecture					
Recommended prerequisites for participation					
MAR 1.1 Design Project Fundamentals, MAR 1.2 Design Project.					

Examination		Prerequisite for the award of ECTS
☐ Written ☐ Oral exam ☐ Internship /laboratory work ☐ Colloquium	☐ Project presentation ☒ Portfolio incl. Presentation ☐ Seminar paper and term paper ☐ Practical examination	Minimum grade of satisfactory
Instructor		Module coordinator
Variable, instructors of the architecture program		Program director
Literature/learning aids		
▪ Manuel René Theisen: Scientific Work. 12th edition / Franz Vahlen, 2005 ▪ Andreas Hirsch-Weber, Stefan Scherer: Scientific Writing and Thesis: in Natural Sciences and Engineering / UTB, 2016 ▪ Judith Theuerkauf: Writing in Engineering Studies / Wiley-VCH, 2012 ▪ Hans Friedrich Ebel, Claus Bliefert, Walter Greulich: Writing and Publishing in the Natural Sciences / Wiley-VCH, 2006 ▪ Gesche Joost, et.al.: Design as Research: Positions, Arguments, Perspectives - Board of International Research in Design / Birkhäuser, 2016 ▪ Laurene Vaughan: Practice-based Design Research / Bloomsbury Visual Arts, 2016 ▪ A topic-specific reading list will be provided with the assignment.		
Max. number of participants		
17		
Status: WS 2025/2026		

DESIGN, TECHNOLOGY, AND CREATION PROCESSES

Module title: Special Topics in Design			Module no.: MAR 2.1		
Module duration	Semester in which the module takes place	Frequency		Credit points (ECTS)	Weighting of the grade for the final grade
1 Semester	1st semester	☒ Every winter semester ☐ Every summer semester ☐ if necessary		6 ECTS	Based on the subject-specific study regulations
Courses/Teaching methods		Contact hours	Self-study	Total workload for students	
Seminar, project		4 hours per week / 60 hours	120 hours	180 hours	
Competence goals (learning outcomes)					
▪ Topics such as space creation, building envelopes, building construction, supporting structures, lightweight construction, wide-span surface structures, hall constructions, bridge structures, building technology, but also the integration of architecture and supporting structures, the interplay of concept and construction, harmony between design and load transfer, consideration of sustainability and energy efficiency are learned and applied both theoretically and in practice. ▪ Students learn to explain aspects of architecture and present them to a group.					
Contents					
▪ The tasks in this course bring together two (or more) individual aspects of architecture. ▪ Examples include the integration of historical monuments with contemporary design approaches or the integration of architecture and supporting structures. ▪ The focus in the development and elaboration of concepts and designs in this course lies in the reflection of individual aspects and, even more so, in their integration into a coherent, holistic design, i.e., into architecture.					
Usability of the module					
MA Architecture		☒ Compulsory subject		☐ Elective	
Study program recommendation					
Subject-specific architecture					
Recommended prerequisites for participation					
None					
Examination			Prerequisite for the award of ECTS		
☐ Written ☐ Oral exam ☐ Internship/ Laboratory work ☐ Colloquium		☐ Project presentation ☒ Portfolio including presentation ☐ Seminar and term paper ☐ Practical examination		Minimum grade of satisfactory	
Instructor			Module coordinator		
Prof. Daniel Berger, Prof. Daniel Lauterkorn			Prof. Daniel Berger		

Literature/learning aids
▪ Stefan Polónyi, Wolfgang Walochnik: Architecture and Structural Design / Ernst & Sohn, 2003 ▪ Stefan Polónyi: How to Bring Architecture to Life - Essays and Speeches from 50 (Professional) Years, Academy of Arts Berlin / Klartext Verlag, 2016 ▪ Pete Silver, Will McLean: Introduction to Architectural Technology - Structure & Form, Structural Physics, Structural Elements, Structural Logic, Climate & Shelter, Human Comfort, Building Performance, Computational Tools & Techniques, Case Studies, Building Codes / Laurence King Publishing, 2008 ▪ Pete Silver, Will McLean, Peter Evans: Structural Engineering for Architects - A Handbook / Laurence King Publishing, 2013 ▪ Ralph Hammann: Creative Engineering, Architecture, and Technology / DOM publishers, 2013 ▪ Farshid Moussavi: The Function of Form / Harvard University Graduate School of Design, 2009 ▪ Andrea Deplazes: Designing Architecture - From Raw Material to Building / Birkhäuser, 2005 ▪ Klaus Dierks, Klaus-Jürgen Schneider, Rüdiger Wormuth: Building Construction. 4th edition / Werner Verlag, 1997 ▪ Werner Nachtigall, Göran Pohl: Building Bionics - Nature, Analogies, Technology. 2nd edition / Springer Vieweg, 2013 ▪ Winfried Nerdinger: Frei Otto. The Complete Works - Lightweight Construction - Natural Design / Birkhäuser, 2005 ▪ P. S. Bulson: Rapidly Assembled Structures - Topics in Engineering Vol. 8 / Computational Mechanics Publication, 1991 ▪ F. Escrig, C. A. Brebbia: Mobile and Rapidly Assembled Structures III - Third International Conference on Mobile and Rapidly Assembled Structures / WIT Press, 2000 ▪ Zhong You, Yang Chen: Motion Structures - Deployable Structural Assemblies of Mechanisms / Spon Press, 2012 ▪ Kazuo Ishii: Structural Design of Retractable Roof Structures. Reprint / WIT Press, 2000 ▪ Robert Kronenburg: Flexible: Architecture that responds to Change / Laurence King Publishing, 2007 ▪ Michael Fox, Miles Kemp: Interactive Architecture / Princeton Architectural Press, 2009 ▪ Michael Schumacher, Oliver Schaeffer, Marcus Vogt: MOVE - Architecture in Motion - Dynamic Components and Elements / Birkhäuser, 2010 ▪ Keith Evan Green: Architectural Robotics - Ecosystems of Bits, Bytes, and Biology / MIT Press, 2016 ▪ A topic-specific reading list will be provided with the assignment.
Max. number of participants
25
Status: WS 2025/2026

Module title: Conceptual Design				Module no.: MAR 2.2	
Module duration	Semester in which the module takes place	Frequency		Credit points (ECTS)	Weighting of the grade for the final grade
1 Semester	2nd semester	☐ Every winter semester ☒ Every summer semester ☐ as needed		6 ECTS	Based on the subject-specific study regulations
Courses/teaching methods		Contact time	Self-study	Total workload for students	
Lecture, seminar, exercise		4 hours per week / 60 hours	120 hours	180 hours	
Competence goals (learning outcomes)					
▪ Students will acquire the skills to conceptually and diagrammatically design real or abstract tasks related to space, architecture, and cities. ▪ They have the ability to systematically and iteratively generate a wide variety of conceptual approaches. ▪ Students will be able to understand 'scripting' as the formulation of a spatial, organizational, or programmatic concept. ▪ You will gain proficiency in the fundamental techniques and elements of graphics programming, as well as the methodological knowledge to implement ideas in scripts.					
Contents					
▪ Training in associative and lateral thinking; ▪ alternative approaches to architectural tasks and their solutions. ▪ In addition, the topics of process design and emergent technologies form the focus of the module, with aspects of the theory and history of computer science; artificial Life; methods of artificial intelligence; cellular automata; parallel programming and agent systems; object-oriented programming using selected programming languages; parameterization of objects using an "agent system framework"; programming of constructions that generate and/or modify spatial structures.					
Usability of the module					
MA Architecture		☒ Compulsory subject		☐ Elective	
Recommended degree program					
Subject-specific Architecture					
Recommended requirements for participation					
None					
Examination formats				Prerequisite for the awarding of ECTS	
☐ Written ☐ Oral exam ☐ Internship /laboratory work ☐ Colloquium		☐ Project presentation ☒ Portfolio incl. Presentation ☐ Seminar paper and term paper ☐ Practical examination		Minimum grade of satisfactory Examination performance	
Instructor				Module coordinator	
Variable, instructors of the architecture program				Prof. Robert Thum	

Literature/learning aids
▪ Hartmut Bohnacker: Generative Design – Designing. Programming. Visualizing / Schmidt Hermann Verlag, 2009 ▪ Ludger Hovestadt: Beyond the Applications of Digital Architecture / Birkhäuser, 2009 ▪ Greg Lynn: Animate Form / Princeton Architectural Press ▪ John Maeda: Creative Code / Thames and Hudson, 2004 ▪ Neil Leach: Digital Tectonics / Wiley-Academy, 2004 ▪ K. Terzidis: Algorithmic Architecture / Architectural Press, 2006 ▪ P. Ball: The Self-made Tapestry: Pattern Formation in Nature / Oxford University Press, 1999 ▪ Sanford Kwinter: Far from Equilibrium / Essays on Technology and Design Culture, 2008 ▪ Christopher Alexander: Notes on the Synthesis of Form / Harvard University Press, 1964 ▪ R. Somol: Diagrams Diaries / Thames and Hudson, 1999 ▪ M. Turtles Resnick: Termites, and Traffic Jams / The MIT Press, 1995 ▪ Mark Burry: Scripting Cultures: Architectural Design and Programming - Architectural Design Primer / John Wiley & Sons, 2011 ▪ Achim Menges: Computational Design Thinking - Computation Design Thinking - AD Reader John Wiley & Sons, 2011
Max. participants
25
Status: WS 2025/2026

Module title: Construction and Building Physics				Module no.: MAR 2.3	
Module duration	Semester in which the module takes place	Frequency		Credit points (ECTS)	Weighting of the grade for the final grade
1 Semester	3rd semester	☒ Every winter semester ☐ Every summer semester ☐ as needed		6 ECTS	Based on the subject-specific study regulations
Courses/Teaching methods		Contact time	Self-study	Total workload for students	
Project, studio, seminar		4 hours per week / 60 hours	120 hours	180 hours	
Competence goals (learning outcomes)					
▪ Students learn design parameters for designing and constructing buildings, taking into account building physics requirements and sustainable construction requirements, in particular recycling-friendly and recyclable construction. ▪ Students acquire knowledge on the integration of building physics fundamentals such as sound, heat, and moisture protection, as well as fire protection requirements, into architectural design. ▪ Students acquire the following qualifications: basic knowledge of the design and construction of energy-efficient building envelopes and functional components, basic qualification in integrated planning taking into account architecture, building energy efficiency, and building physics. ▪ Students acquire the following skills: Ability to analyze designs in terms of their circularity potential; ability to evaluate the recycling potential of building materials; ability to apply the knowledge acquired about the origin (pre-use) and reuse potential (post-use) of materials and to independently develop recyclable designs; ability to evaluate the dismantlability of designs and to construct independently detachable connections. ▪ They are able to respond to different levels of criticism in a professional and constructive manner. ▪ Students acquire the ability to individually qualify and profile themselves for professional practice.					
Contents					
▪ As part of a design project, students develop an understanding of the fundamentals of building physics as well as sustainable, recyclable, and recyclable Designs. The design project involves redesigning a building or developing a transformation strategy for an existing building. ▪ You will develop concepts for this, translate them into design drawings and models (scale 1:200 – 1:100) and into construction drawings (3-panel projections scale 1:20 – 1:1; detailing of relevant envelope components with connections, including labeling of all materials with regard to the assessment of dismantlability and recyclability: potential for reuse of the materials used, dismantlability/detachability of the connections; designation of the U-values of the component structures). ▪ Students develop schematic energy supply, ventilation, and drainage concepts in interaction with facade planning and, if applicable, solar systems (electricity/heat); the focus here is on the interaction/integration of architecture and technology. ▪ Knowledge is imparted through lectures, guided independent research by students on specified topics, and accompanying exercises in which the knowledge acquired is applied.					
Usability of the module					
MA Architecture		☒ Compulsory subject		☐ Elective	
Recommended degree program					

Subject-specific architecture		
Recommended prerequisites for participation		
None		
Examination		Prerequisite for the award of ECTS
☐ Written ☒ Oral exam ☐ Internship /laboratory work ☐ Colloquium	☐ Project presentation ☒ Portfolio including presentation ☐ Seminar and term paper ☐ Practical examination	Minimum grade of satisfactory
Instructor		Module coordinator
Prof. Petra Riegler-Floors		Prof. Petra Riegler-Floors
Literature/learning aids		
▪ Annette Hillebrandt, Petra Riegler-Floors, Anja Rosen, Johanna Seggewies: Atlas Recycling / Edition Detail, Birkhäuser, 2018 ▪ Manfred Hegger, Matthias Fuchs, Thomas Stark, Martin Zeumer: Energy Atlas: Sustainable Architecture / Edition Detail, Birkhäuser, 2007 ▪ Hermann Kaufmann, Stefan Krötsch, Stefan Winter: Atlas of Multi-Story Timber Construction / Edition DETAIL, Munich 2017 ▪ Felix Heisel, Dirk Hebel: Urban Mining and Circular Construction – The City as a Raw Material Store / Fraunhofer IRB Verlag, 2021 ▪ Martin Zeumer, Sebastian El-Khouli, Viola John: Sustainable Design - From Structural Design to Material Selection - Ecological Assessment and Optimization of Buildings / Edition Detail, 2014 ▪ Roland Krippner: Building-Integrated Solar Technology / DETAIL Green books, 2016 ▪ Karsten Voss, Eike Musall: Zero-energy buildings – international projects for climate-neutral living and working / Edition DETAIL, 2011 ▪ Dirk Hebel, Marta H. Wisniewska, Felix Heisel: Building from Waste - Recovered Materials in Architecture and Construction / Birkhäuser, 2014 ▪ Dirk Hebel, Felix Heisel: Cultivated Building Materials / Birkhäuser, 2017 ▪ Röhlen, Ziegert: Lehm-bau-Praxis - Planung und Ausführung / DIN e.V., 2014 ▪ Brian Cody: Form Follows Energy / Birkhäuser, 2017 ▪ Michael Bauer, Peter Möslle, Michael Schwarz: Green Building - Guide to Sustainable Construction. 2nd edition / Springer Vieweg, 2013 ▪ Material + Surface: best of DETAIL / 2016 ▪ A project-specific reading list will be provided with the assignment.		
Maximum number of participants		
25 people		
Status: WS 2025/2026		

HISTORICAL CONTEXT, THEORY, SOCIETY, AND SOCIOLOGY

Module title: Project Planning in a Historical Context I			Module no.: MAR 3.1.1		
Module duration	Semester in which the module takes place	Frequency		Credit points (ECTS)	Weighting of the grade for the final grade
1 Semester	1st semester	☒ Every winter semester ☐ Every summer semester ☐ as needed		3 ECTS	Based on the subject-specific study regulations
Courses/Teaching methods		Contact time	Self-study	Total workload for students	
Lecture, exercise		2 hours per week / 30 hours	60 hours	90 hours	
Competence goals (learning outcomes)					
▪ Students learn the basics of a comprehensive preliminary project in the context of building in historic buildings. ▪ Students learn the basics of deformation-compatible building surveying and historical building research. ▪ Students learn about various forms of building documentation and apply them to an existing building. ▪ Students learn the basic principles of scientific methods and working practices. ▪ They are able to write papers in which the results are objective and comprehensible to third parties.					
Contents					
▪ History and theory of surveying technology and building surveying ▪ Creation of deformation-compatible building surveys ▪ Fundamentals of historical building research ▪ Digital and analog building surveys and surveying techniques ▪ Fundamentals of photography and photographic documentation of buildings ▪ Creation of room books and cadastral surveys ▪ Creation of building documentation					
Usability of the module					
MA Architecture		☒ Compulsory subject		☐ Elective	
Recommended course of study					
Subject-specific Architecture					
Recommended prerequisites for participation					
None					
Examination			Prerequisite for the award of ECTS		
☐ Written ☐ Oral exam ☐ Internship /laboratory work ☐ Colloquium		☐ Project presentation ☐ Portfolio ☒ Seminar and term paper ☐ Practical examination		Minimum grade of satisfactory	

Instructor	Module coordinator
Prof. Daniel Hoheneder	Prof. Daniel Hoheneder
Literature/learning aids	
▪ Ingrid Scheurmann: Konturen und Konjunkturen der Denkmalpflege - Zum Umgang mit baulichen Relikten der Vergangenheit (Contours and Cycles of Monument Preservation - Dealing with Architectural Relics of the Past) / Böhlau Verlag, 2018 ▪ Tobias Busen, Miriam Knechtel, et al.: Building Survey. Munich, TUM University Press, 2017. ▪ Gert Th. Mader, W. Koenigs, N. Huse; W. Nerdinger, E. Emmerling: Applied Building Research / Verlag das Beispiel, 2005 ▪ Michael Petzet, Gert Th. Mader: Practical Monument Preservation / Kohlhammer, 1995 ▪ Andreas Bruschke: Building Surveying in Monument Preservation / Fraunhofer IRB Verlag, 2005 ▪ Series of publications by the Working Group for Building Research (Arbeitskreis für Hausforschung e.V.) published by Michael Imhof Verlag ▪ G. Ulrich Großmann: Introduction to Historical Building Research / Wissenschaftliche Buchgesellschaft, 1993 ▪ G. Ulrich Großmann: Introduction to Historical and Art-Historical Building Research / Wissenschaftliche Buchgesellschaft, 2010 ▪ A topic-specific bibliography will be provided with the assignment.	
Max. number of participants	
25	
Status: WS 2025/2026	

Module title: Theory I				Module no.: MAR 3.1.2	
Module duration	Semester in which the module takes place	Frequency of offering		Credit points (ECTS)	Weighting of the grade for the final grade
1 Semester	1st semester	☒ Every winter semester ☐ Every summer semester ☐ as needed		3 ECTS	Based on the subject-specific study regulations
Courses/Teaching methods		Contact time	Self-study	Total workload for students	
Seminar, exercise		2 hours per week / 30 hours	60 hours	90 hours	
Competence goals (learning outcomes)					
- Students develop the following competencies: Ability to engage with the theoretical foundations of architecture; Ability to recognize and explain interdependencies between theoretical foundations and realized results; Ability to theoretically Basis of one's own work; qualification in orientation toward the intellectual, social, and ethical foundations of architecture. - Students have basic knowledge of value formation and discussion of theory-based developments in architectural history, including contemporary issues in monument preservation. This includes the history of building itself, as well as social, political, and technical changes and influences. - Students are familiar with the basic principles of scientific methods and working practices. They are able to write papers in which the results are objective and comprehensible to third parties.					
Contents					
- Students critically examine theory and gain insights into the history, content, and significance of architectural theory for practice. - Topics covered include theory and enlightenment; theory and reflection; the interrelationship between social sciences and humanities; the necessity and usefulness of theory in architecture and urban planning; architecture without theory; lines of development and interrelationships in architectural theory during the Enlightenment and pre-modern times; sociology, philosophy, and architectural theory. - The concrete relationship between theory and practical action is illustrated using selected examples.					
Usability of the module					
MA Architecture		☒ Compulsory subject		☐ Elective	
Study program recommendation					
Subject-specific architecture					
Recommended prerequisites for participation					
None					
Examination			Prerequisite for the award of ECTS		
☐ Written ☐ Oral exam ☐ Internship /laboratory work ☐ Colloquium		☐ Project presentation ☐ Portfolio ☒ Seminar and term paper ☐ Practical examination		Minimum grade of satisfactory	
Instructor			Module coordinator		

Prof. Jan-Henrik Hafke	Prof. Jan-Henrik Hafke
Literature/learning aids	
▪ Gerd de Bruyn, Stephan Trüby: Architekturtheorie.doc. / Birkhäuser, 2003 ▪ K. Grunwald, et al.: Scientific Work - Fundamentals of Approaches, 4th edition / Klotz, 2002 ▪ Hanno-Walter Kruft: History of Architectural Theory / Ch. Beck, 1991 ▪ Vittorio Magnago Lampugnani: Architectural Theory of the 20th Century / Hatje Cantz Verlag, 2004 ▪ Fritz Neumeyer: Source Texts on Architectural Theory / Prestel, 2002 ▪ M.R. Theisen: Scientific Work - Technique, Methodology, Form, 12th edition / Munich 2005	
Maximum number of participants	
25	
Status: WS 2025/2026	

Module title: Project Planning in a Historical Context II				Module no.: MAR 3.2.1	
Module duration	Semester in which the module takes place	Frequency		Credit points (ECTS)	Weighting of the grade for the final grade
1 Semester	2nd semester	☐ Every winter semester ☒ Every summer semester ☐ as needed		3 ECTS	Based on the subject-specific study regulations
Courses/teaching methods		Contact time	Self-study	Total workload for students	
Lecture, seminar, exercise		2 hours per week / 30 hours	60 hours	90 hours	
Competence goals (learning outcomes)					
▪ Students will be able to apply and communicate the methods of scientific evaluation of existing buildings in practice. ▪ You can conceptually continue historical objects in an urban context or on the object itself. ▪ Students learn the basics of a comprehensive preliminary project in the context of building in historic buildings. ▪ Students learn the specific approaches to project planning in a historical context.					
Contents					
▪ In interdisciplinary project teams, students tackle the complex challenges of planning in historic buildings. ▪ Damage analysis and damage mapping ▪ Creation of utilization concepts (including building law issues) ▪ Creation of repair concepts ▪ Creation of building energy concepts in architectural heritage ▪ Assessment of fire protection concepts ▪ Assessment of species and nature conservation issues ▪ Identification of potential pollutants in existing buildings					
Usability of the module					
MA Architecture		☒ Compulsory subject		☐ Elective	
Recommended degree program					
Subject-specific architecture					
Recommended prerequisites for participation					
None					
Examination				Prerequisite for the award of ECTS	
☐ Written ☐ Oral exam ☐ Internship /laboratory work ☐ Colloquium		☐ Project presentation ☐ Portfolio ☒ Seminar and term paper ☐ Practical examination		Minimum grade of satisfactory	
Instructor				Module coordinator	

Prof. Daniel Hoheneder	Prof. Daniel Hoheneder
Literature/learning aids	
▪ Ingrid Scheurmann: Konturen und Konjunkturen der Denkmalpflege - Zum Umgang mit baulichen Relikten der Vergangenheit (Contours and Cycles of Monument Preservation - Dealing with Architectural Relics of the Past) / Böhlau Verlag, 2018 ▪ Tobias Busen, Miriam Knechtel, et al.: Building Survey. Munich, TUM University Press, 2017. ▪ Gert Th. Mader, W. Koenigs, N. Huse; W. Nerdinger, E. Emmerling: Applied Building Research / Publisher: das Beispiel, 2005 ▪ Michael Petzet, Gert Th. Mader: Practical Monument Preservation / Kohlhammer, 1995 ▪ Andreas Bruschke: Building Surveying in Monument Preservation / Fraunhofer IRB Verlag, 2005 ▪ Series of publications by the Working Group for Building Research (Arbeitskreis für Hausforschung e.V.) published by Michael Imhof Verlag ▪ G. Ulrich Großmann: Introduction to Historical Building Research / Wissenschaftliche Buchgesellschaft, 1993 ▪ G. Ulrich Großmann: Introduction to Historical and Art-Historical Building Research / Wissenschaftliche Buchgesellschaft, 2010 ▪ A topic-specific bibliography will be provided with the assignment.	
Max. number of participants	
25	
Status: WS 2025/2026	

Module title: Theory II				Module no.: MAR 3.2.2	
Module duration	Semester in which the module takes place	Frequency		Credit points (ECTS)	Weighting of the grade for the final grade
1 Semester	2nd semester	☐ Every winter semester ☒ Every summer semester ☐ as needed		3 ECTS	Based on the subject-specific study regulations
Courses/teaching methods		Contact time	Self-study	Total workload for students	
Seminar, exercise		2 hours per week / 30 hours	60 hours	90 hours	
Competence goals (learning outcomes)					
▪ Students understand the guiding principles and motives of modernism, as well as current trends, developments, and individuals. ▪ They master the essential concepts and can reflect on them in connection with their own design approaches. ▪ Students can apply and teach the methods of scientific evaluation of existing buildings in practice. ▪ They can conceptually continue the construction of historical objects in an urban context or on the object itself.					
Contents					
▪ Students develop key positions in contemporary theoretical debate with insight into theory formation and figures in architectural discourse based on selected texts and topics by, among others: Theodor Adorno, Martin Heidegger, Paul Virilio, Michel Foucault, Gilles Deleuze, Felix Guattari, Marc Auge, Marshall McLuhan, Christopher Alexander, Robert Venturi, Italo Calvino, Aldo Rossi, and O.M. Ungers. ▪ The topic of transformation and interpretation in contemporary architectural and urban planning concepts is explained using examples and texts by Rem Koolhaas, Bernard Tschumi, Jean Nouvel, Herzog & de Meuron, van Berkel & Bos, and MVRDV. The selection and focus are determined on a semester-by-semester basis. ▪ Students engage with digital and analog model replication, building surveys, building descriptions, and style analysis.					
Usability of the module					
MA Architecture		☒ Compulsory subject		☐ Elective	
Recommended degree program					
Subject-specific architecture					
Recommended prerequisites for participation					
None					
Examination				Prerequisite for the award of ECTS	
☐ Written ☐ Oral exam ☐ Internship /laboratory work ☐ Colloquium		☐ Project presentation ☐ Portfolio ☒ Seminar paper and term paper ☐ Practical examination		Minimum grade of "sufficient" in the examination	
Instructor				Module coordinator	

Prof. Jan-Henrik Hafke	Prof. Jan-Henrik Hafke
Literature/learning aids	
▪ Gerd de Bruyn, Stephan Trüby: Architekturtheorie.doc. / Birkhäuser, 2003 ▪ K. Grunwald, et al.: Scientific Work - Fundamentals of Approaches, 4th edition / Klotz, 2002 ▪ Hanno-Walter Kruft: History of Architectural Theory / Ch. Beck, 1991 ▪ Vittorio Magnago Lampugnani: Architectural Theory of the 20th Century / Hatje Cantz Verlag, 2004 ▪ Fritz Neumeyer: Source Texts on Architectural Theory / Prestel, 2002 ▪ M.R. Theisen: Scientific Work - Technique, Methodology, Form, 12th edition / 2005	
Maximum number of participants	
25	
Status: WS 2025/2026	

Module title: Seminar on the final thesis				Module no.: MAR 3.3	
Module duration	Semester in which the module takes place	Frequency		Credit points (ECTS)	Weighting of the grade for the final grade
1 Semester	4th semester	☐ Every winter semester ☒ Every summer semester ☐ as needed		3 ECTS	Based on the subject-specific study regulations
Courses/teaching methods		Contact time	Self-study	Total workload for students	
Project, excursion		2 hours per week / 30 hours	60 hours	90 hours	
Competency goals (learning outcomes)					
▪ Students can define and organize necessary and supplementary background information related to the respective topic of their thesis and substantiate it using scientific methods. ▪ Students are able to classify the content of their respective thesis topics and structure them methodically according to the principles of scientific work. ▪ Students have the ability to present the background information defined for their thesis and obtained through scientific findings to a group.					
Contents					
▪ Topic-relevant, specific information gathering and critical analysis with regard to usability in the thesis are taught and individual approaches are discussed.					
Usability of the module					
MA Architecture		☒ Compulsory subject		☐ Elective	
Study program recommendation					
Subject-specific architecture					
Recommended prerequisites for participation					
Accompanying the thesis					
Examination formats				Requirements for awarding ECTS credits	
☐ Written exam ☐ Oral examination ☐ Internship /laboratory work ☐ Colloquium		☐ Project presentation ☒ Portfolio incl. Presentation ☐ Seminar paper and term paper ☐ Practical examination		Minimum grade of satisfactory	
Instructor				Module coordinator	
Variable, instructors of the architecture program				Program director	
Literature/learning aids					

- Marc Angélil, Dirk Hebel: Architektur Entwerfen / Birkhäuser, 2008
- Jörg Joppien: Design Theory – A Search – Teaching Design / Wasmuth, 2008
- Bert Bielefeld, Sebastian El Khouli: Design Idea / Birkhäuser, 2010
- Christian Gänshirt: Tools for Ideas 7 Walter de Gruyter, 2012
- Gesche Joost, et.al.: Design as Research - Positions, Arguments, Perspectives - Board of International Research in Design / Birkhäuser, 2016
- Laurene Vaughan: Practice-based Design Research / Bloomsbury Visual Arts, 2016
- K. Jormakka: Basics: Methods of Form Finding / Birkhäuser, 2008
- Peter Eisenman: Ten Canonical Buildings - 1950-2000 / Rizzoli International Publications, 2008
- A topic-specific reading list will be provided with the assignment.

Max. number of participants

25

Status: WS 2025/2026

EUROPEAN CONTEXT

Module title: Models of the European City			Module no.: MAR 4.1	
Module duration	Semester in which the module takes place	Frequency of the course		Credit points (ECTS)
1 Semester	1st semester	☒ Every winter semester ☐ Every summer semester ☐ as needed		6 ECTS
Courses/Teaching methods		Contact time	Self-study	Weighting of the grade for the final grade
Project, studio, excursion		4 hours per week / 60 hours	120 hours	Based on the subject-specific study regulations
Total workload for students				
180 hours				
Competence goals (learning outcomes)				
- Students learn about the key parameters of the contemporary European city using a selected city as an example. They are able to explore a city's typical characteristics using scientific methods of research, analysis, and evaluation. In addition to urban planning, social, and cultural aspects, ecological and climatic issues are also included. - The various urban development models in their historical development, their conditions, and their architectures can be distinguished and critically reflected upon. Dealing with current challenges such as climate change, resource scarcity, and social change is addressed, as are sustainable and resilient development perspectives. - By comparing different cities, students can identify their unique and common features and draw conclusions for future developments. Aspects of spatial and structural resilience as well as climate-adapted and resource-saving urban planning are included in the analysis. - Students are able to prepare the various topics and parameters visually and textually using their own maps, diagrams, and analytical representations. The findings can be used to develop well-founded requirements and options for urban planning interventions—with a view to creating sustainable, climate-friendly urban spaces that are fit for the future.				
Contents				
- The module examines the European city using selected examples and considers aspects such as definition, context, qualities, discontinuities, and potential. Ecological, climatic, and resource-specific dimensions are taken into account in an integrative manner. - The analysis of different models and phenomena of urban systems is always carried out in a concrete spatial context and forms the basis for a critical examination of issues relating to sustainable, climate-adapted, and resilient urban development. - The combination of theoretical research, diagrammatic representation, and conceptual derivation enables students to develop urban planning concepts that are both creative and responsible in terms of planning.				
Usability of the module				
MA Architecture		☒ Compulsory subject		☐ Elective
Study program recommendation				
Subject-specific architecture				
Recommended prerequisites for participation				

None		
Examination		Prerequisite for the award of ECTS
☐ Written ☐ Oral exam ☐ Internship /laboratory work ☐ Colloquium	☐ Project presentation ☒ Portfolio incl. presentation ☐ Seminar and term paper ☐ Practical examination	Minimum grade of satisfactory
Instructor		Module coordinator
Prof. Lena Piepmeyer		Prof. Lena Piepmeyer
Literature/learning aids		
▪ Marc Augé: Non-Places / 2010 ▪ Camillo Sitte Bautechnikum et al.: City: Camillo Sitte 1843–1883–1903 / Muery Salzmann, 2023 ▪ Helmut Bott et al.: Sustainable Urban Planning / Edition Detail, 2013 ▪ Arno Brandhuber, Florian Hertweck, Thomas Mayfried: The Dialogic City – Berlin becomes Berlin / Walther König, 2015 ▪ Dietmar Eberle: Dichte Atmosphäre: Über die bauliche Dichte und ihre Bedingungen in der mitteleuropäischen Stadt / Birkhäuser, 2014 ▪ Jan Gehl: Life Between Buildings / Jovis Verlag, 2012 ▪ Jens Jakob Happ et al.: Towards a Sustainable Architecture of the City / Wagenbach, 2025 ▪ Anthony Hoete: ROAM Reader on the Aesthetics of Mobility / 2003 ▪ Otto Neurath: Modern Man in the Making / 1939 ▪ Carsten Jonas: Urban Planning and Urban Development Models since the Mid-19th Century / Wasmuth Verlag, 2017 ▪ Sylvia Lorenz et al.: Historical Models of Urban Development / 2010 ▪ OMA: Manifesta 12 - Palermo Atlas / 2018 ▪ Philipp Oswald: Berlin_Stadt ohne Form, Strategien einer anderen Architektur / Prestel Verlag, 2000 ▪ Leonhard Schenk: Designing Cities / Birkhäuser, 2013 ▪ Kim Seonwook: Architectural and Program Diagrams 1 / DOM publishers, 2012 ▪ Thomas Sieverts: Zwischenstadt Schriftenreihe / 2004-2007 ▪ Edward R. Tufte: Envisioning Information / Graphics Press USA, 1990		
Max. number of participants		
25		
Status: WS 2025/2026		

Module title: Construction and building methods in international comparison				Module no.: MAR 4.2	
Module duration	Semester in which the module takes place	Frequency		Credit points (ECTS)	Weighting of the grade for the final grade
1 Semester	3rd semester	☒ Every winter semester ☐ Every summer semester ☐ as needed		6 ECTS	Based on the subject-specific study regulations
Courses/Teaching methods		Contact time	Self-study	Total workload of the student	
Seminar		4 hours per week / 60 hours	120 hours	180 hours	
Competence goals (learning outcomes)					
- Students will be able to identify and reflect on key parameters of contemporary building construction and building systems engineering across countries and integrate them into their project work. Topics of sustainability and energy efficiency will be reflected upon in an international context, both theoretically and in terms of practical application. - an international context both theoretically and in terms of their practical application. - They have the ability to reflect on innovative current approaches in international architectural practice and to use and further develop them for their own profile building. The ability to obtain qualified information within the field of international architectural practice. - Students have knowledge of trends in international architectural development at all levels of professional practice. - Students develop internationally oriented specialist knowledge at the cutting edge of scientific debate and architectural design.					
Contents					
- The module covers the interrelationships between construction, spatial design, function, and building technology in the context of building structures; internationally common construction methods: steel, steel composite, reinforced concrete; "light structures," as well as bionic approaches to structural and energy issues; innovative construction and manufacturing methods. - International networks of technical developments ("Schüco," "Gartner," etc.); thermodynamics and building energy; "fire protection philosophies." - Political objectives versus the construction industry; market developments Selected topics in building science using building examples: trends in current building developments. - Building systems in international comparison, development of new building types through social, cultural, economic, and technical changes, development of new Iconography, visual languages, and façade concepts; hybridization; usage cycles and variability of buildings; long-term and short-term elements in construction, spatial design, and technology. - The content relates to the main areas of architectural practice, trends, and special features in construction management and project management in Europe. ("Just-in-time" construction processes), computer-aided, integrated planning and production processes, coordination and controlling of participants and costs, planning and competition.					
Usability of the module					
MA Architecture		☒ Compulsory subject		☐ Elective	
Study program recommendation					
Subject-specific architecture					
Recommended prerequisites for participation					
None					

Examination		Prerequisite for the award of ECTS
☐ Written ☐ Oral exam ☐ Internship /laboratory work ☐ Colloquium	☐ Project presentation ☒ Portfolio incl. presentation ☐ Seminar and term paper ☐ Practical examination	Minimum grade of "sufficient" in the examination
Instructor		Module coordinator
Prof. Dr. Matthias Sieveke, N.N.		Prof. Dr. Matthias Sieveke
Literature/learning aids		
▪ Fritz Haller: Building and Research / Solothurn, 1988 ▪ G. Hausladen, et al.: Clima Design / Callwey Verlag, 2004 ▪ Thomas Herzog, Ingeborg Flagge, et al.: Architecture and Technology / Prestel, 2001 ▪ Werner Nachtigall: Building Bionics: Nature – Analogies – Technology / Springer, 2003 ▪ Guidelines and objectives of the International Organization for Standardization (ISO)		
Max. number of participants		
25		
Status: WS 2025/2026		

Module title: International Project Marketing				Module no.: MAR 4.3	
Module duration	Semester in which the module takes place	Frequency of offering		Credit points (ECTS)	Weighting of the grade for the final grade
1 Semester	4th semester	☐ Every winter semester ☒ Every summer semester ☐ as needed		6 ECTS	Based on the subject-specific study regulations
Courses/teaching methods		Contact time	Self-study	Total workload for students	
Lecture, seminar, exercise		4 hours per week / 60 hours	120 hours	180 hours	
Competence goals (learning outcomes)					
▪ Students develop the competence to assess internationally applicable, essential parameters of project generation, planning, and marketing, both as a prerequisite and as a result of urban planning and architectural concepts. ▪ You will gain expertise in specific marketing aspects, the requirements profiles of potential clients, evaluation criteria, and public-private interactions. ▪ Students will be able to explain aspects of international project marketing and their interrelationships using urban planning and architectural concepts. ▪ They are able to discuss their work results and present them to a group.					
Contents					
▪ The module covers: - Project development and marketing strategies, - usage cycles and marketing, financing and return models, - Interests of internal and external stakeholders, - Cross-border and international cooperation, - as well as internationally and globally active companies/clients.					
Usability of the module					
MA Architecture		☒ Compulsory subject		☐ Elective	
Study program recommendation					
Subject-specific architecture					
Recommended prerequisites for participation					
None					
Examination formats				Prerequisite for the award of ECTS	
☐ Written ☐ Oral exam ☐ Internship /laboratory work ☐ Colloquium		☒ Project presentation ☐ Portfolio ☐ Seminar and term paper ☐ Practical examination		Minimum grade of satisfactory	
Instructor				Module coordinator	
Prof. Dr. Matthias Sieveke, N.N.				Prof. Dr. Matthias Sieveke	
Literature/learning aids					

▪ Werner Schurawitzki: Praxis des internationalen Marketing. Grundlagen und Fallbeispiele (Practical International Marketing: Fundamentals and Case Studies) / Gabler Verlag, 1995 ▪ Werner Thieme: Intercultural Communication and International Marketing / Peter Lang, 2000
Max. number of participants
25
Status: WS 2025/2026

FINAL THESIS

Module title: Thesis			Module no.: MAR 1.4.1	
Module duration	Semester in which the module takes place	Frequency	Credit points (ECTS)	Weighting of the grade for the final grade
1 Semester	4th semester	☐ Every winter semester ☒ Every summer semester ☐ as needed	18 ECTS	Based on the subject-specific study regulations
Courses/teaching methods		Contact time	Self-study	Total workload for students
Project		3 hours per week / 45 hours	495 hours	540 hours
Competency goals (learning outcomes)				
▪ Students are able to independently apply the knowledge and skills acquired in the courses to solve a given task using scientifically sound methods. ▪ They have mastered the necessary technical and methodological prerequisites for planning and designing large buildings, as well as presenting them in appropriate media (plans, models, digital models). ▪ You have the ability to analyze problems independently and thoroughly and to develop problem-solving concepts based on your findings. ▪ You have the ability to communicate and present all information based on scientifically sound knowledge, ideas, and solutions to specialists or laypeople.				
Contents				
▪ The thesis should address application-oriented architectural topics, preferably those dealing with design and construction in the context of an architectural idea. This may also include tasks related to building renovation, building management, and the professional use of architectural informatics. ▪ The idea and conceptual thoughts behind the thesis must be formulated in writing in a thesis paper. This paper will demonstrate competence in formulating relevant technical content and its interpretation, taking into account the social, scientific, and ethical implications. ▪ Thesis topics can also be formulated, proposed, and applied for as individual assignments by students. The examination board decides on the approval of the topic.				
Usability of the module				
MA Architecture		☒ Compulsory subject	☐ Elective	
Study program recommendation				
Subject-specific architecture				
Recommended prerequisites for participation				
According to the current examination regulations, students can register for their final thesis at the earliest after they have been notified that they have achieved 90 credit points (ECTS).				
Examination formats			Prerequisite for the awarding of ECTS	

☐ Written ☐ oral exam ☐ Internship /laboratory work ☐ Colloquium	☐ Project presentation ☒ Portfolio including presentation ☐ Seminar and term paper ☐ Practical examination	At least with a satisfactory passed exam
Instructor		Module coordinator
Variable, lecturers from the Architecture program		Program director
Literature/learning aids		
▪ Marc Angélil, Dirk Hebel: Architektur Entwerfen / Birkhäuser, 2008 ▪ Jörg Joppien: Design Theory – A Search / Wasmuth, 2008 ▪ Bert Bielefeld; Sebastian El Khouli: Design Idea / Birkhäuser, 2010 ▪ Christian Gänshirt: Tools for Ideas / Walter de Gruyter, 2012 ▪ Gesche Joost, et.al.: Design as Research - Positions, Arguments, Perspectives. Board of International Research in Design / Birkhäuser, 2016 ▪ Laurene Vaughan: Practice-based Design Research / Bloomsbury Visual Arts, 2016 ▪ K. Jormakka: Basics - Methods of Form Finding / Birkhäuser, 2008 ▪ Peter Eisenman: Ten Canonical Buildings - 1950-2000 / Rizzoli International Publications, 2008 ▪ A topic-specific reading list will be provided with the assignment.		
Max. number of participants		
25		
Status: WS 2025/2026		

Module title: Colloquium on the final thesis				Module no.: MAR 1.4.2	
Module duration	Semester in which the module takes place	Frequency		Credit points (ECTS)	Weighting of the grade for the final grade
1 Semester	4th semester	☐ Every winter semester ☒ Every summer semester ☐ as needed		3 ECTS	Based on the subject-specific study regulations
Courses/Teaching methods		Contact time	Self-study	Total workload for students	
Project		1 SWS / 15 hours	75 hours	90 hours	
Competence goals (learning outcomes)					
▪ Through their in-depth specialist knowledge acquired on the basis of scientific methods, students have broad and integrated knowledge. ▪ Students possess the social skills to argue complex, in-depth subject-related problems and solutions to experts and to develop them further with them on the basis of in-depth analyses. ▪ They are able to independently define, reflect on, and evaluate goals for learning and work processes, as well as to substantiate learning and work processes independently, sustainably, and with scientifically sound findings. ▪ Students have the ability to present and defend their thesis in front of a group.					
Contents					
▪ Media-appropriate presentation and technically and rhetorically correct presentation of the independently developed planning solution of the thesis. ▪ Reflection: (self-)critical assessment of the master's thesis.					
Usability of the module					
MA Architecture		☒ Compulsory subject		☐ Elective	
Study program recommendation					
Subject-specific architecture					
Recommended prerequisites for participation					
Accompanying the final thesis.					
Examination				Prerequisite for the award of ECTS	
☐ Written ☐ Oral exam ☐ Internship /laboratory work ☒ Colloquium		☐ Project presentation ☐ Portfolio ☐ Seminar paper and term paper ☐ Practical exam		Minimum grade of satisfactory	
Instructor				Module coordinator	
Variable, instructors of the architecture program				Program director	
Literature/learning aids					

- Nils Schulenburg: Excellent Presentations – The Psychology of Successful Idea Communication Tools and Techniques for Outstanding Presentations / Springer Gabler, 2018
- Frank P. Jäger, et al.: Offensive Architecture – Presentation – Public Relations and Marketing for Architects / Jovis, 2004

Max. participants

25

Status: WS 2025/2026