

# Module Handbook Architecture Master 2021 (M.Sc.)

SPO 2021

Summer term 2025

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KIT DEPARTMENT OF ARCHITECTURE



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## **The Master's Program Architecture at KIT**

Working on the creative design of the world around us using scientific methods – that is the goal of the Karlsruhe Department of Architecture at KIT.

The students in the study course Architecture acquire knowledge and skills during their studies that enable them to plan and to design the habitats of humans in the future. As architects they should contribute to creating the prerequisites for an optimal level of environmental quality for both living and working conditions that offer all sorts of developmental possibilities for society as a whole.

This presupposes an education that teaches one about the technical possibilities, provides one with knowledge about economic efficiency and, most importantly, of how to design a world that is being recreated again and again. The students need to be comprehensively prepared for the ever-changing requirements that are made of them during their professional working lives. Strengthening the practical side of things as well as a focus on research, including making use of the insights gained within university teaching, guarantees this type of education. Since 1825 one can study Architecture at our department with the aim of being awarded a diploma in this subject; as of the introduction of the bachelor and master programs in the winter semester 2009/2010 one is awarded a BA or MA degree.

The Karlsruhe Institute of Technology (KIT) has made it its aim, within the framework of implementing the Bologna process of setting up a European university landscape, of ensuring that at the end of one's studies one is as a rule awarded a master's degree. The consecutive bachelor and master study programs on offer at KIT should therefore be seen as being a comprehensive concept with a consecutive curriculum in place.

### **Setup and Scope**

The Master's program Architecture encompasses four semesters. One graduates with a Master of Science (M.Sc.) degree after having successfully passed the final exams. For this degree altogether 120 ECTS credit points must be collected and verified. During this course of studies the scientific qualifications that one has attained during the Bachelor's program should be further honed and extended in-depth. Within the framework of the studies, amongst others, skills in the following subjects will be taught:

- Designing
- Architectural Core Competences
- Specialization

In the subject Specialization modules of various disciplines can be selected and thereby an individual profile customized towards one's personal inclinations can be developed. The subject Interdisciplinary Qualifications rounds off the courses on offer; here one can attain general as well as practical competencies. The Master's program for all intents and purposes corresponds pretty much to a project study course. In every semester a project that includes going in-depth into a topic has to be worked on. All in all, the students do have a large choice when choosing the various project topics. In addition, when taking courses or lectures the students can also avail of a wide choice from which they can choose. It is, however, advisable to book a study course consultation before choosing one's courses.

Here the students are helped regarding drawing up one's own individual study plan with the corresponding individual profile all the way to the Master's thesis. The examination regulations (attached) and the study plan based on this contain all the binding requirements for the study course.

Basically the study course is broken up into modules. Every module can be made up of one or more courses which are successfully completed after having taken one or more exams and passed this/these. The scope of every module is marked by credit points that are credited to the students' accounts after having successfully completed the module.

## Rules for the individual subjects

In the subject Design all modules are mandatory. Per semester only one of the modules "Building Design Project", "Urban Design Project" and "Design Project" can be taken. For every one of these modules one has to simultaneously also take a module from the subject "Design Specialization". Each module must be completed within one semester, i.e. the respective design specialization must accompany the design.

In the subject "Architectural core competencies", the compulsory elective blocks "Design, History, Art and Theory" and "Urban and Landscape Planning" must each be completed with one module, which can be chosen from several modules. In addition, there are the modules "Lecture Series" and "Building and Structure".

In the subject "Specialization" the module "Research Fields" is mandatory. Four further modules must be taken that can be selected from a wide range available. This allows for individual specialization. All of the modules of the compulsory elective blocks "Design, History, Art and Theory" and "Urban and Landscape Planning" can also be taken in the subject "Specialization".

## The module guide for the study course

In this module guide the modules and all related courses as well as progress monitoring are listed with the following information:

- Allocating a module to a discipline and those persons responsible
- Scope of the module in terms of credit points
- Module cycle, length, level, language and work requirements
- Module courses and their contents
- Progress monitoring (exams) of the modules and grade development
- Qualification aims of the modules
- Prerequisites and requirements of the modules respectively interdependency of the modules
- Recommendations and notes regarding the modules

It provides the needed orientation and is a reliable helper throughout one's studies. The module guide, however, in no way replaces the academic course catalog and the notices on the boards of the disciplines and faculties that inform up-to-date every semester about the variable event dates (e.g. time and location of a course) as well as on any short-term changes that have been made.

## Qualification goals of the degree program

Education within the master's program of architecture is largely based on the regulations adopted by the German Federal Chamber of Architects and international associations, such as UIA and AESOP. Moreover, the Bundesstiftung Baukultur (Federal Building Culture Foundation) has clearly defined the society's requirements to be met by architects and updated them in broad discourse.

Graduates of the master's program of architecture have passed a high-quality education program of five years' duration for highly responsible, complex, and innovative activities in the areas of designing, planning and building, research, and development in architecture.

In this way, they have obtained the qualification to enter a profession. Together with a practical working phase of two or three years, the master's degree is needed to obtain the authorization to present building documents (Bauvorlageberechtigung) and to become member of the respective Chamber of Architects. As the consecutive master's program fully meets international standards (EU, UTA, UNESCO), unrestricted, also international, career perspectives are opened up.

Having specialized in the area of urban planning, graduates meet the specific requirements to apply for inclusion in the list of urban planners in the respective federal state.

Hence, they are prepared for practical and scientific work in the areas of architecture and urban and landscape planning.

Upon completion of the master's program of four semesters' duration, graduates have the specific and scientific qualification for a subsequent doctorate in the area of architecture or related programs.

Studies within the master's program are based on the fundamentals imparted by the bachelor's program. The master's program extends the networked thinking conveyed by the bachelor's program by interdisciplinary elements.

All phases of the master's program are characterized by a high degree of scientific quality and independence in an international environment as well as by the

understanding of complex, also ecological, relationships. Hence, graduates are able to assume executive positions in an architectural office and to act responsibly, sustainably, and in an integrating manner.

Graduates have in-depth knowledge of the different system and complexity levels of this profession and are able to understand the interconnections between the partial areas of architecture.

Graduates have an in-depth awareness of and high sensitivity for the sustainable use of nature and the environment and know the associated architectural challenges.

They are able to critically assess scientific and specific knowledge of how modern architecture and urban planning can be formulated and can relate this knowledge to the social context. In this respect, graduates are capable of developing an own personal attitude.

They apply central terms of the terminology in German and English and possess profound knowledge of the current problems faced by architects and the corresponding research community.

They have a wide and profound fundamental knowledge in the different areas of architecture. This includes a theoretical artistic understanding, technical construction knowledge, and sensitivity for the context as well as knowledge of building history and the history of art.

Graduates have learned to think and act independently and to develop own positions.

They are familiar with the different forms of scientific work and can participate in research teams. They are capable of analyzing complex problems and critically discussing facts. On this basis, they can develop strategies for problem solution with high degrees of abstraction. They are able to understand complex spatial situations and model them clearly with different tools.

After five years of work in six bachelor's design studios and three master's projects, they have learned to work in teams and have gained vast experience in various interdisciplinary groups. They can coordinate and manage projects as well as assume executive tasks.

Graduates have a detailed knowledge of how to exploit sources of information and can use the findings specifically and in a structured way. They can present the work results derived to an audience and document them in an understandable way.

### **Exam modalities**

In order to be able to take part in the module exams, students have to bindingly register online. Exams taken that have not been officially registered for are not taken into account.

The study regulations of the bachelor program Architecture dated July 27th, 2021 (official notice of the Karlsruhe Institute of Technology (KIT) No. 52 dated July 28th, 2021) defines the following in section §4 module exams, completed coursework and examination requirements:

(1) The bachelor exam is made up of module exams. Module exams consist of one or several progress monitoring checks. Progress monitoring is divided into completed coursework or examination requirements.

(2) Examination requirements are:

1. written exams,
2. oral exams or
3. other examination requirements.

(3) Completed coursework is written, oral or practical requirements that, as a rule, is undertaken by the students when attending their individual courses. The bachelor exam is not allowed to be completed just by handing in coursework.

Based on this are the terms and definitions used and defined within the module descriptions with regard to progress monitoring. Further information on the legal and administrative framework of study courses can be found in the study regulations attached to this module guide.

## Master Architektur

### Exemplary Curriculum - SPO 2021

1. Sem	2. Sem	3. Sem	4. Sem
Building Design Project Building Design Project 12 CP	Urban Design Project Urban Design Project 12 CP	Design Project Design Project 12 CP	Master's Thesis 30 CP
Design Specialization 2CP	Design Specialization 2CP	Design Specialization 2 CP	
Building and Structure 4CP	Lecture Series** 4 CP	Elective Module* 4 CP	
Design, History, Art and Theory* 4 CP	Urban and Landscape Planning* 4 CP	Interdisciplinary Qualifications* Key Qualifications 4 CP	
Elective Module* 4 CP	Elective Module* 4 CP	Seminar Week 2 CP	
Impromptu Designs 4 CP	Elective Module* 4 CP	Research Fields Research Seminar / Independent Student Research Project 4 CP Doctoral Colloquium, Preparation Master's Thesis 2 CP	
<b>30 CP</b>	<b>30 CP</b>	<b>30 CP</b>	<b>30 CP</b>

\* Placeholder for various modules

\*\* Thematic lecture series on the main areas of study

#### Study Specializations

With regard to future career choices, the Master's degree program in Architecture at the Karlsruhe Institute of Technology (KIT) offers the following specializations:

- „Städtebau“ – „Urban Design“
- „Bautechnologie“ – „Building Technology“
- „Architektonisches und kulturelles Erbe“ – „Architectural and Cultural Heritage“

In order to receive a specialization as an additional certificate, a certain number and type of modules from the respective area must be completed. These can be found in the diagrams in the chapter "Master's degree course structure". The decision for a specialization is made at the latest when registering for the Master's thesis. Additional coursework can also be taken in order to achieve a specialization.

STUDY STRUCTURE MASTER'S PROGRAM SPO2021							
Field title	Module ID	CP Module	Conditions / Prerequisites Module	Module Component ID	Module Component Title	Examination	CP Module Component
<b>Designing (46 CP)</b>							
All modules in this field are compulsory modules. Except "Impromptu Desings" only one module per semester.							
Building Design Project	M-ARCH-105670	14	-	T-ARCH-107445	Building Design Project	Examination of another kind	12
				T-ARCH-112101	Design Specialization	Examination of another kind	2
Urban Design Project	M-ARCH-105671	14	-	T-ARCH-107343	Urban Design Project	Examination of another kind	12
				T-ARCH-111328	Urban Design Specialization	Examination of another kind	2
Design Project	M-ARCH-105672	14	-	T-ARCH-107344	Design Project 2	Examination of another kind	12
				T-ARCH-111329	Free Design Specialization	Examination of another kind	2
Impromptu Desings	M-ARCH-103612	4	-	T-ARCH-107346	Impromptu Desings	Examination of another kind	4
<b>Architectural Core Competences (16 CP)</b>							
Lecture series is mandatory. One module must be selected for each compulsory elective block							
Lecture Series	M-ARCH-105676	4	-	T-ARCH-111335	Lecture 1	completed coursework	2
				T-ARCH-111336	Lecture 2	completed coursework	2
Building and Structure	M-ARCH-105956	4	-	T-ARCH-112099	Building and Structure	Examination of another kind	4
<b>Compulsory Elective Modules "Design, History, Art and Theory" (4 CP)</b>							
Spatial Theory	M-ARCH-103629	4	-	T-ARCH-107371	Spatial Theory	Examination of another kind	4
Building Studies and Design	M-ARCH-103630	4	-	T-ARCH-107372	Building Studies and Design	Examination of another kind	4
Design Theory	M-ARCH-103631	4	-	T-ARCH-107373	Design Theory	Examination of another kind	4
Fine Arts	M-ARCH-103624	4	-	T-ARCH-107366	Fine Arts	Examination of another kind	4
Theory of Architecture	M-ARCH-103625	4	-	T-ARCH-107367	Theory of Architecture	Examination of another kind	4
Communication of Architecture	M-ARCH-103626	4	-	T-ARCH-107368	Communication of Architecture	Examination of another kind	4
Art History	M-ARCH-103627	4	-	T-ARCH-107369	Art History	Examination of another kind	4
History of Architecture	M-ARCH-105862	4	-	T-ARCH-111795	History of Architecture	Examination of another kind	4
History of Urban Planning	M-ARCH-105860	4	-	T-ARCH-111793	History of Urban Planning	Examination of another kind	4
<b>Compulsory Elective Modules "Urban and Landscape Planning" (4 CP)</b>							
Urban Typologies	M-ARCH-103632	4	-	T-ARCH-107374	Urban Typologies	Examination of another kind	4
Quarter Analysis	M-ARCH-103633	4	-	T-ARCH-107375	Quarter Analysis	Examination of another kind	4
International Urban Design	M-ARCH-103634	4	-	T-ARCH-107376	International Urban Design	Examination of another kind	4
City Theory	M-ARCH-103635	4	-	T-ARCH-107377	City Theory	Examination of another kind	4
Methods, Strategies and Mechanisms of Urban Design	M-ARCH-103670	4	-	T-ARCH-107411	Methods, Strategies and Mechanisms of Urban Design	Examination of another kind	4
Landscape Typologies	M-ARCH-103637	4	-	T-ARCH-107379	Landscape Typologies	Examination of another kind	4
History of Landscape Architecture	M-ARCH-103638	4	-	T-ARCH-107380	History of Landscape Architecture	Examination of another kind	4
Urban Design and Housing	M-ARCH-105563	4	-	T-ARCH-111167	Urban Design and Housing	Examination of another kind	4
<b>Specialization (22 CP)</b>							
The module "Research Fields" is mandatory, from the other modules four can be chosen. These can also come from the "Compulsory Elective Modules" of the field "Architectural Core Competences".							
Research fields	M-ARCH-103639	6	<i>"Participation Doctoral Colloquium" and "Preparation Master's thesis" are compulsory, between the module components "research seminar" or "Independent Student Research Project" can be selected.</i>	T-ARCH-107381	Research Seminar	Examination of another kind	4
				T-ARCH-107382	Independent Student Research Project	Examination of another kind	4
				T-ARCH-112875	Participation Doctoral Colloquium	completed coursework	0
				T-ARCH-107383	Preparation Master Thesis	completed coursework	2
Workshop Impromptu Desings	M-ARCH-104079	4	-	T-ARCH-108459	Workshop Impromptu Desings	Examination of another kind	4
Design to Built	M-ARCH-104514	4	-	T-ARCH-109244	Design to Built	Examination of another kind	4
Special Topics in Spatial Theory	M-ARCH-104074	4	-	T-ARCH-108453	Special Topics in Spatial Theory	Examination of another kind	4
Special Topics in Building Studies and Design	M-ARCH-104075	4	-	T-ARCH-108455	Special Topics in Building Studies and Design	Examination of another kind	4
Special Topics in Design Theory	M-ARCH-103640	4	-	T-ARCH-107384	Special Topics in Design Theory	Examination of another kind	4
Special Topics of Fine Arts 1	M-ARCH-103647	4	-	T-ARCH-107390	Special Topics of Fine Arts 1	Examination of another kind	4
Special Topics of Fine Arts 2	M-ARCH-103648	4	Successful completion of module "Special Topics of Fine Arts 1"	T-ARCH-107391	Special Topics of Fine Arts 2	Examination of another kind	4
Special Topics of Theory of Architecture 1	M-ARCH-103649	4	-	T-ARCH-107392	Special Topics of Theory of Architecture 1	Examination of another kind	4
Special Topics of Theory of Architecture 2	M-ARCH-103650	4	Successful completion of module "Special Topics of Theory of Architecture 1"	T-ARCH-107393	Special Topics of Theory of Architecture 2	Examination of another kind	4
Special Topics of Communication of Architecture	M-ARCH-103651	4	-	T-ARCH-107394	Special Topics of Communication of Architecture	Examination of another kind	4
Planning and Constructing	M-ARCH-104076	4	-	T-ARCH-108456	Planning and Constructing	Examination of another kind	4
Special Topics of Planning and Constructing	M-ARCH-103653	4	-	T-ARCH-107396	Special Topics of Planning and Constructing	Examination of another kind	4
Sustainability	M-ARCH-104078	4	-	T-ARCH-108458	Sustainability	Examination of another kind	4
Special Topics of Sustainability	M-ARCH-103687	4	-	T-ARCH-107435	Special Topics of Sustainability	Examination of another kind	4
Integral Planning	M-ARCH-103617	4	-	T-ARCH-107359	Integral Planning	Examination of another kind	4

STUDY STRUCTURE MASTER'S PROGRAM SPO2021							
Field title	Module ID	CP Module	Conditions / Prerequisites Module	Module Component ID	Module Component Title	Examination	CP Module Component
Conditions / Prerequisites Field							
Module title							
<b>Specialization (22 CP)</b>							
Virtual Engineering	M-ARCH-103618	4	-	T-ARCH-107360	Virtual Engineering	Examination of another kind	4
Special Topics of Building Lifecycle Management 1	M-ARCH-103654	4	-	T-ARCH-107397	Special Topics of Building Lifecycle Management 1	Examination of another kind	4
Special Topics of Building Lifecycle Management 2	M-ARCH-103655	4	Successful completion of module "Special Topics of Building Lifecycle Management 1"	T-ARCH-107398	Special Topics of Building Lifecycle Management 2	Examination of another kind	4
Detailed Topics of Building Lifecycle Management	M-ARCH-103656	4	-	T-ARCH-107399	Detailed Topics of Building Lifecycle Management	Examination of another kind	4
Special Topics of Structural Design	M-ARCH-103658	4	-	T-ARCH-107401	Special Topics of Structural Design	Examination of another kind	4
Building Practise	M-ARCH-104077	4	-	T-ARCH-108457	Building Practise	Examination of another kind	4
Special Topics of Building Techniques	M-ARCH-103661	4	-	T-ARCH-107404	Special Topics of Building Techniques	Examination of another kind	4
Performance Analysis for Buildings	M-ARCH-103620	4	-	T-ARCH-107362	Performance Analysis for Buildings	Examination of another kind	4
Planning and Building with Light	M-ARCH-103621	4	-	T-ARCH-107363	Planning and Building with Light	Examination of another kind	4
Special Topics of Building Physics	M-ARCH-105680	4	Two of the four parts have to be selected.	T-ARCH-111337	Indoor Lighting Technology and Concepts	Oral Exam	2
				T-ARCH-111338	Energy and Indoor Climate Concepts	Oral Exam	2
				T-ARCH-111339	Fire Protection in Planning and Realisation	Oral Exam	2
				T-ARCH-111340	Sound Insulation and Acoustics	Oral Exam	2
Digital Design and Fabrication	M-ARCH-105857	4	-	T-ARCH-111790	Digital Design and Fabrication	Examination of another kind	4
Special Topics of Digital Design and Fabrication	M-ARCH-105858	4	-	T-ARCH-111791	Special Topics of Digital Design and Fabrication	Examination of another kind	4
Special Topics of Building Technology	M-ARCH-103652	4	-	T-ARCH-107395	Special Topics of Building Technology	Examination of another kind	4
Professional Detailed Planning	M-ARCH-103659	4	-	T-ARCH-107402	Professional Detailed Planning	Schriftliche Prüfung	4
Project Management	M-ARCH-105957	4	-	T-ARCH-112102	Project Management	Examination of another kind	4
Special Topics of Urban Design	M-ARCH-103668	4	-	T-ARCH-107409	Special Topics of Urban Design	Examination of another kind	4
Special Topics of Urban Design 2	M-ARCH-105859	4	-	T-ARCH-111792	Special Topics of Urban Design 2	Examination of another kind	4
Special Topics of Urban Design - workshop	M-ARCH-103974	4	-	T-ARCH-108190	Special Topics of Urban Design - workshop	Examination of another kind	4
Urban Energy	M-ARCH-103669	4	-	T-ARCH-107410	Urban Energy	Examination of another kind	4
Special Topics of construction planning law	M-ARCH-103688	4	-	T-ARCH-107436	Special Topics of construction planning law	Examination of another kind	4
Public Building Law	M-ARCH-103671	4	-	T-ARCH-107412	Public Building Law	Examination of another kind	4
Special Topics of Art History 1	M-ARCH-103672	4	-	T-ARCH-107413	Special Topics of Art History 1	Examination of another kind	4
Special Topics of Art History 2	M-ARCH-103673	4	Successful completion of module "Special Topics of Art History 1"	T-ARCH-107414	Special Topics of Art History 2	Examination of another kind	4
Special Topics of History of Architecture	M-ARCH-105863	4	-	T-ARCH-111796	Special Topics of History of Architecture	Examination of another kind	4
Special Topics History of Urban Planning	M-ARCH-105861	4	-	T-ARCH-111794	Special Topics of History of Urban Planning	Examination of another kind	4
Historical Building Research	M-ARCH-103676	4	-	T-ARCH-107417	Historical Building Research	Examination of another kind	4
Adaptive Reuse	M-ARCH-105680	4	-	T-ARCH-111341	Adaptive Reuse	Examination of another kind	4
Photogrammetry of Architecture	M-BGU-104001	4	-	T-BGU-108204	Photogrammetry of Architecture	Examination of another kind	4
Structural Analysis	M-ARCH-106128	4	-	T-ARCH-112499	Structural Analysis	Examination of another kind	4
Interdisciplinary Design of Timber Structures	M-ARCH-106126	4	-	T-ARCH-112497	Interdisciplinary Design of Timber Structures	Examination of another kind	4
Interdisciplinary Design of Steel Structures	M-ARCH-106915	4	-	T-ARCH-113852	Interdisciplinary Design of Steel Structures	Examination of another kind	4
Baustoffe und materialgerechte Konstruktionen des Holzbaus	M-ARCH-106916	4	-	T-ARCH-113853	Baustoffe und materialgerechte	Examination of another kind	4
<b>Interdisciplinary Qualifications (6 CP)</b>							
Seminar week is mandatory. The module examinations amount to 86 LP.							
Key Qualifications	M-ARCH-105682	6		T-ARCH-111342	Seminar Week	completed coursework	2
				T-ARCH-111775	Self Assignment HoC-ZAK-SpZ 1-3 not graded	completed coursework	2
				T-ARCH-111778	Self Assignment HoC-ZAK-SpZ 4-6 graded	completed coursework	2
				T-ARCH-107422	Basic Course Photo Study Workshop	completed coursework	4
				T-ARCH-107423	Basic Course Modell Study Workshop	completed coursework	2
				T-ARCH-109969	Office Hospitality	completed coursework	2
				T-ARCH-109978	Visit lecture series Master	completed coursework	1
T-ARCH-107420	Wildcard	completed coursework	4				
<b>Master's Thesis (30 CP)</b>							
The module examinations amount to 86 LP.							
Module Master's Thesis	M-ARCH-103607	30	The module examinations amount to 86 LP.	T-ARCH-107261	Master's Thesis	Masterarbeit mit Präsentation	12

## 2 Field of study structure

<b>Mandatory</b>	
Master's Thesis	30 CR
Designing	46 CR
Architectural Core Competences from 01.04.2022 <i>First usage possible from Apr 01, 2022.</i>	16 CR
Specialization	22 CR
Interdisciplinary Qualifications	6 CR

### 2.1 Master's Thesis

**Credits**  
30

<b>Mandatory</b>		
M-ARCH-105693	Module Master's Thesis	30 CR

### 2.2 Designing

**Credits**  
46

<b>Mandatory</b>		
M-ARCH-105670	Building Design Project	14 CR
M-ARCH-105671	Urban Design Project	14 CR
M-ARCH-105672	Design Project	14 CR
M-ARCH-103612	Impromptu Designs	4 CR

## 2.3 Architectural Core Competences from 01.04.2022

**Credits**  
16

### Note regarding usage

First usage possible from Apr 01, 2022.

<b>Mandatory</b>		
M-ARCH-105676	Lecture Series	4 CR
M-ARCH-105956	Building and Structure	4 CR
<b>Compulsory Elective Subject "Designing, History, Art and Theory" (Election: 1 item)</b>		
M-ARCH-103629	Spatial Theory	4 CR
M-ARCH-103630	Building Studies and Design	4 CR
M-ARCH-103631	Design Theory	4 CR
M-ARCH-103624	Fine Arts	4 CR
M-ARCH-103625	Theory of Architecture	4 CR
M-ARCH-103626	Communication of Architecture	4 CR
M-ARCH-103627	Art History	4 CR
M-ARCH-105862	History of Architecture <i>First usage possible from Oct 01, 2021.</i>	4 CR
M-ARCH-105860	History of Urban Planning <i>First usage possible from Oct 01, 2021.</i>	4 CR
<b>Compulsory Elective Subject "Urban- and Landscape Planning" (Election: 1 item)</b>		
M-ARCH-103632	Urban Typologies	4 CR
M-ARCH-103633	Quarter Analysis	4 CR
M-ARCH-103634	International Urban Design	4 CR
M-ARCH-103635	City Theory	4 CR
M-ARCH-103670	Methods, Strategies and Mechanisms of Urban Design	4 CR
M-ARCH-103637	Landscape Typologies	4 CR
M-ARCH-103638	History of Landscape Architecture	4 CR
M-ARCH-105563	Urban Design and Housing	4 CR

## 2.4 Specialization

**Credits**

22

<b>Mandatory</b>		
M-ARCH-103639	Research Fields	6 CR
<b>Compulsory Elective Subject Specialization (Election: 4 items)</b>		
M-ARCH-104079	Workshop Impromptu Designs	4 CR
M-ARCH-104514	Design to Built	4 CR
M-ARCH-104074	Special Topics in Spatial Theory	4 CR
M-ARCH-104075	Special Topics in Building Studies and Design	4 CR
M-ARCH-103640	Special Topics of Design Theory	4 CR
M-ARCH-103647	Special Topics of Fine Arts 1	4 CR
M-ARCH-103648	Special Topics of Fine Arts 2	4 CR
M-ARCH-103649	Special Topics of Theory of Architecture 1	4 CR
M-ARCH-103650	Special Topics of Theory of Architecture 2	4 CR
M-ARCH-103651	Special Topics of Communication of Architecture	4 CR
M-ARCH-103652	Special Topics of Building Technology	4 CR
M-ARCH-103653	Special Topics of Planning and Constructing	4 CR
M-ARCH-103687	Special Topics of Sustainability	4 CR
M-ARCH-103654	Special Topics of Building Lifecycle Management 1	4 CR
M-ARCH-103655	Special Topics of Building Lifecycle Management 2	4 CR
M-ARCH-103656	Detailed Topics of Building Lifecycle Management	4 CR
M-ARCH-103658	Special Topics of Structural Design	4 CR
M-ARCH-103659	Professional Detailed Planning	4 CR
M-ARCH-105957	Project Management <i>First usage possible from Apr 01, 2022.</i>	4 CR
M-ARCH-103661	Special Topics of Building Technology	4 CR
M-ARCH-105680	Special Topics of Building Physics	4 CR
M-ARCH-105858	Selected Topics of Digital Design and Fabrication <i>First usage possible from Oct 01, 2021.</i>	4 CR
M-ARCH-103668	Special Topics of Urban Design	4 CR
M-ARCH-105859	Special Topics of Urban Design 2 <i>First usage possible from Oct 01, 2021.</i>	4 CR
M-ARCH-103974	Special Topics of Urban Design - Workshop	4 CR
M-ARCH-103669	Urban Energy	4 CR
M-ARCH-103688	Special Topics of Construction Planning Law	4 CR
M-ARCH-103671	Public Building Law	4 CR
M-ARCH-103672	Special Topics of Art History 1	4 CR
M-ARCH-103673	Special Topics of Art History 2	4 CR
M-ARCH-105863	Special Topics of History of Architecture <i>First usage possible from Oct 01, 2021.</i>	4 CR
M-ARCH-105861	Special Topics of History of Urban Planning <i>First usage possible from Oct 01, 2021.</i>	4 CR
M-ARCH-103676	Historical Building Research	4 CR
M-ARCH-105681	Adaptive Reuse	4 CR
M-BGU-104001	Photogrammetry for Architects	4 CR
M-ARCH-103629	Spatial Theory	4 CR
M-ARCH-103630	Building Studies and Design	4 CR
M-ARCH-103631	Design Theory	4 CR
M-ARCH-103624	Fine Arts	4 CR
M-ARCH-103625	Theory of Architecture	4 CR
M-ARCH-103626	Communication of Architecture	4 CR
M-ARCH-103627	Art History	4 CR
M-ARCH-105862	History of Architecture <i>First usage possible from Oct 01, 2021.</i>	4 CR

M-ARCH-105860	<b>History of Urban Planning</b> <i>First usage possible from Oct 01, 2021.</i>	4 CR
M-ARCH-104076	<b>Planning and Constructing</b>	4 CR
M-ARCH-104078	<b>Sustainability</b>	4 CR
M-ARCH-103617	<b>Integral Planning</b>	4 CR
M-ARCH-103618	<b>Virtual Engineering</b>	4 CR
M-ARCH-104077	<b>Building Practise</b>	4 CR
M-ARCH-103620	<b>Performance Analysis for Buildings</b>	4 CR
M-ARCH-103621	<b>Planning and Building with Light</b>	4 CR
M-ARCH-105857	<b>Digital Design and Fabrication</b> <i>First usage possible from Oct 01, 2021.</i>	4 CR
M-ARCH-103632	<b>Urban Typologies</b>	4 CR
M-ARCH-103633	<b>Quarter Analysis</b>	4 CR
M-ARCH-103634	<b>International Urban Design</b>	4 CR
M-ARCH-103635	<b>City Theory</b>	4 CR
M-ARCH-103670	<b>Methods, Strategies and Mechanisms of Urban Design</b>	4 CR
M-ARCH-103637	<b>Landscape Typologies</b>	4 CR
M-ARCH-103638	<b>History of Landscape Architecture</b>	4 CR
M-ARCH-105563	<b>Urban Design and Housing</b>	4 CR
M-ARCH-106128	<b>Structural Analysis</b> <i>First usage possible from Oct 01, 2022.</i>	4 CR
M-ARCH-106126	<b>Interdisciplinary Design of Timber Structures</b> <i>First usage possible from Oct 01, 2022.</i>	4 CR
M-ARCH-106915	<b>Interdisciplinary Design of Steel Structures</b> <i>First usage possible from Oct 01, 2024.</i>	4 CR
M-ARCH-106916	<b>Timber Structures: Materials and Appropriate Design</b> <i>First usage possible from Oct 01, 2024.</i>	4 CR

## 2.5 Interdisciplinary Qualifications

Credits

6

<b>Mandatory</b>		
M-ARCH-105682	<b>Key Qualifications</b>	6 CR

## 3 Modules

M

### 3.1 Module: Adaptive Reuse [M-ARCH-105681]

**Responsible:** Dr. Anette Busse

**Organisation:** KIT Department of Architecture

**Part of:** [Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Irregular	1 term	German	4	1

Mandatory			
T-ARCH-111341	<a href="#">Adaptive Reuse</a>	4 CR	Busse

#### Competence Certificate

Other examination requirements consisting of a homework with written and drawing part, in the extent of max. 30 A4 pages, which is to be presented orally in the extent of max. 30 minutes. The project work is carried out in individual work during the module. The choice of topic is to be clarified and bindingly agreed with the examiner at the beginning of the work.

#### Prerequisites

None

#### Competence Goal

Students:

- are able to choose a suitable specialization based on a selected project.
- are able to apply methodological principles, i.e. analyze, evaluate and interpret.
- are able to recognize the value of built structures as a historical testimony of time and to use them as a basis for planning.
- are able to analyze built projects, i.e. to understand, describe and justify the design, the constructive implementation and materialization and to comprehensively assess and classify them with regard to architectural conception, realization and constructive implementation.
- are able to name the material and constructional fundamentals and are able to objectively grasp the connection between functional and formal ideas in the change of built structures.
- are able to differentiate the terms, contents and characteristics of the architectural style epochs, to name them and to classify them architecturally as well as chronologically.
- are able to consciously design transformation, with the imparted methodical knowledge about the different strategies, to shape the building stock and to determine the interventions and their form.
- can interpret and further develop the building stock as the evolved identity of the site in an appropriate form.
- can apply economic and ecological evaluation criteria.
- can prepare feasibility studies and thus further develop projects by proposing uses.
- possess the ability to work scientifically independently, can conduct research on a selected project and are able to develop their own position on the subject and present this expertise in an appropriate form.

**Content**

The further development of existing building fabric is treated in the overview of building historical development. The most important cultural-historical and architectural-historical terminologies and cultural-historical methods of analysis and interpretation are elaborated and applied on the basis of selected historical buildings.

The approach is based on the graphic analysis of relevant reference objects, including the presentation of the essential linguistic vocabulary as well as the presentation of different design approaches and design processes. These are located in the cultural, social and technological context and supplemented by a qualitative and quantitative analysis of the context. The use and program definitions of an existing place (existing object) are strategically recorded as part of the design in terms of form, function, material and construction technology and prepared in such a way that this becomes readable and interpretable for the design process. Appropriate strategies for building in existing contexts are developed in relation to structural (typological), ecological, social, economic, infrastructural and cultural fields of action.

Through the teaching of precise recording methods (not only in the measurement) and far-reaching analyses of the existing building stock, which encompasses all levels of spatial, constructive and energetic issues, the foundations are laid for the further development of the existing building stock. In the combination of program and design, a new identity is sought in connection with the existing.

Questions of appropriateness are addressed, which depend on a variety of factors, e.g. coming from the existing building stock and the general conditions, as well as from the objectives, which are always reassessed and sounded out for the respective project, since the built environment usually consists of prototypes. These are dealt with in the concrete examples.

**Module grade calculation**

The module grade is the grade of the other examination requirements.

**Workload**

In-class time: Seminar / Tutorials 30 h

Self-study components: preparing/follow-up work, project work 60 h

**Recommendation**

Knowledge of basic building history is recommended.

## M

**3.2 Module: Art History [M-ARCH-103627]****Responsible:** Studiendekan/in Kunstgeschichte**Organisation:** KIT Department of Architecture**Part of:** [Architectural Core Competences from 01.04.2022 \(Compulsory Elective Subject "Designing, History, Art and Theory"\)](#)  
[Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each term	1 term	German/English	4	1

Mandatory			
T-ARCH-107369	<a href="#">Art History</a>	4 CR	Kunstgeschichte

**Competence Certificate**

Other examination requirements consisting of an oral exam (qualified discussion contributions, oral talk or an oral exam of approx. 15 minutes duration) and a written paper encompassing approx. 20 pages.

**Prerequisites**

None

**Competence Goal**

The students:

- are able to deal with a chosen art historical topic in a proper, scientific manner, can work out their own individual questions and topic enquiries and are capable of presenting their work results in the form of a presentation and a discussion.

**Content**

Taught and learned is basic fundamental knowledge on a select topic of either medieval, early modern or modern art history.

**Module grade calculation**

The module grade is the grade of the other examination requirements.

**Annotation**

Every semester several courses are offered for this module with changing topics. In this module only one of the courses can be chosen.

**Workload**

In-class time: Seminar 30 h

Self-study: Preparation/follow-up, written paper/project 90 h

**Recommendation**

Attending at least one lecture "Art History".

## M

**3.3 Module: Building and Structure [M-ARCH-105956]**

**Responsible:** Prof. Dr.-Ing. Riccardo La Magna  
**Organisation:** KIT Department of Architecture  
**Part of:** [Architectural Core Competences from 01.04.2022 \(mandatory\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each term	1 term	German/English	4	1

Mandatory			
T-ARCH-112099	<a href="#">Building and Structure</a>	4 CR	La Magna

**Competence Certificate**

Other examination requirement consisting of the unsupervised structural design of an architectural design project. Working on the structural design of a project occurs individually or in groups during the semester. The final delivery consists of an information document summarising specific structural aspects of the architectural projects, ranging from presentation of plans, choice of building material, idealization of the structural system, description of load-bearing mechanism up to the development of at least one representative constructive detail.

**Competence Goal**

The students:

- have deepened their knowledge of various different supporting structure principles and can apply it.
- recognize the relationship between supporting structure, the choice of materials used, building constructive details and architectural design results and understand that the supporting structure design is an integral part of the design as a whole.
- can select various different support systems with a view to materials, function and design and can integrate the support structure design successfully into their design process.
- are able to present and talk about the results in a clear and understandable manner.

**Content**

In this module, the constructive and functional principles of structural design are examined in detail, especially in relationship to typical construction materials such as timber, steel and concrete. In addition, special structural typologies (shells, membranes) and their load-bearing mechanisms will be studied and analysed. The focus of the module is set on the analysis of construction principles and their relationship to the associated load-bearing mechanisms. Aim of the module is to develop a thorough understanding of the interplay between structural system, choice of material and constructive detailing, and to provide a solid background knowledge to support the development of project ideas also from the viewpoint of structural design.

**Module grade calculation**

The module grade is the grade of the other examination requirements.

**Workload**

In-class time: Seminar 30 h

Self-study: Project work 90 h

## M

**3.4 Module: Building Design Project [M-ARCH-105670]**

**Responsible:** Studiendekan/in Architektur  
**Organisation:** KIT Department of Architecture  
**Part of:** [Designing](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
14	Grade to a tenth	Each term	1 term	German/English	4	2

Mandatory			
T-ARCH-107445	<a href="#">Design Project 1</a>	12 CR	Architektur
T-ARCH-112107	<a href="#">Design Specialization</a>	2 CR	Architektur

**Competence Certificate**

Other examination requirements consisting of two parts:

1. An architectural design draft that is produced during the semester. Working on the design task is done, as a rule, individually; there are regular supervisions resp. corrections that take place. The progress monitoring occurs during the study course within the framework of one or more intermediate presentations as well as a final presentation. Here the produced results are portrayed and assessed in the form of drawings, models (analog and/or digital), texts and talks. The duration of the presentation is approx. 20 minutes per project.
2. performance during the semester for theoretical or practical consolidation of the design topic, as a rule, of a project work with drawings whose scope depends on the respective task assigned or of an oral talk of approx. 15 minutes duration and a written paper on it encompassing approx. 20 pages or an equivalent assessment which has to be coordinated with the examiner.

**Prerequisites**

none

**Competence Goal**

The students:

- can formulate original ideas and concepts as well as being able to develop design-oriented approaches as well as strategies based on these. They are capable of transferring the design draft concept consequently into an architectural work within the framework of a structured design process, all based on multilayered parameters such as contextual, programmatic, formalized and spatial effects etc.
- have the ability to continuously develop and sharpen the original concept within the drafting process; during this drafting process they are also able to develop variants and can compare and assess these.
- can draw in a design-sure manner from the pool of architectural elements, spatial and programmatic strategies as well as constructive and static implications that they have amassed during their studies.
- can use, modify and continuously develop these for their own design projects.
- have at their command the necessary knowledge regarding construction, supporting structures and integrated building technology, accessibility, planning methods, in proportion, atmosphere and type studies and are able to integrate all of these aspects into their design.
- are able to, based on the task given, select the necessary degree of detail as well as the fitting presentation and visualization technique, work these out and to thereby develop an individualized, concise and understandable language for the architectural presentation as a drawing, an image and a model.
- are able to, based on the task given, select the necessary degree of detail as well as the fitting presentation and visualization technique, work these out and to thereby develop an individualized, concise and understandable language for the architectural presentation as a drawing, an image and a model.
- know the methods, requirements and ways of thinking of the various different disciplines and are able to apply these.
- are able to work independently and in a set time period on a problem from the discipline that they have chosen regarding their design specialization project according to scientific, design-related, constructive-technical, theoretic-historical, urban planning, organizational and drafting process methods that they have acquired during their studies.
- are able to present and talk about the results in a clear and understandable manner.

**Content**

Based on the learned basics of the Bachelor's program, within the module "Building Construction Design 1" further knowledge on architectural design based on changing complex design projects is imparted. The tasks being worked on are usually formulated in an open manner and require research as well as original architectural thought as a basis for the concept development. The applied methods encompass the analysis of spatial and thematic contexts, the development of an architectural concept based on various different scale levels whilst taking into account the spatial, functional and constructive structure in dependence of the materialization, theme and typology. The communication of the results includes the choice of the fitting presentation technique going from the conceptual draft to plans all the way to analog or digitally generated models. The independent detailed working on of the supervised design project includes applying the knowledge and competencies that come from all areas of architectural studies.

The design specialization can have a building planning, theoretical, digital or building technical focus. It is always an accompanying course to a building construction or urban construction design and can be taken with the examiner of the design or with another examiner. In various different course formats (workshops, seminars, lectures, tutorials) knowledge, methods, strategies and (digital) design tools are taught which are based on the respective design topics.

**Module grade calculation**

The module grade is the grade of the other examination requirements.

**Annotation**

With a mandatory excursion.

Design project and design specialization must be connected in terms of content and completed in the same semester.

**Workload**

In-class time: Supervision/presentations 90 h

Self-study components: Development of an architectural design and design specialization 330 h

## M

**3.5 Module: Building Practise [M-ARCH-104077]**

**Responsible:** Prof. Dr.-Ing. Rosemarie Wagner  
**Organisation:** KIT Department of Architecture  
**Part of:** [Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each term	1 term	German/English	4	1

Mandatory			
T-ARCH-108457	<a href="#">Building Practise</a>	4 CR	Wagner

**Competence Certificate**

Other examination requirements consisting of a design draft and the construction of a building shell at large scale and a presentation of it.

**Prerequisites**

None

**Competence Goal**

The students:

- can analyze, structure and evaluate in a design-related manner the tasks and challenges that are at hand when dealing with the realization of the design into a real building regarding the building materials, the production, the supporting structure and the construction itself.
- can question their own design with a view to the requirements made by natural and artificial building materials for the supporting structure, the construction and the production.
- can deduce design purposes of their own design based on the knowledge they have regarding building technology basics.
- are able to integrate technical requirements into their design, can perform calculations based on these and can use the necessary aids in a proper methodic way.
- are capable of weighing and assessing the various different criteria stemming from the technical building requirements and are able to sensibly integrate these into the design.

**Content**

In this module the students are taught the theoretical and practical aspects of using natural as well as artificial building materials for both the supporting structure and the construction itself. The course deals with the properties of the building materials, the processing and treatment of the building materials in practical tutorials, the joint construction techniques and the production of supporting structures and constructions in general. What it also focusses on are theoretical and practical methods for the development of supporting building shells.

**Module grade calculation**

The module grade is the grade of the other examination requirements.

**Workload**

In-class time: Seminar 45 h

Self-study: Preparation/follow-up, written paper/project 75 h

**Recommendation**

Knowledge from the subject integrated building technology is helpful; so is a workshop internship.

## M

**3.6 Module: Building Studies and Design [M-ARCH-103630]****Responsible:** Prof. Meinrad Morger**Organisation:** KIT Department of Architecture**Part of:** [Architectural Core Competences from 01.04.2022 \(Compulsory Elective Subject "Designing, History, Art and Theory"\)](#)  
[Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each winter term	1 term	German/English	4	1

Mandatory			
T-ARCH-107372	<a href="#">Building Studies and Design</a>	4 CR	Morger

**Competence Certificate**

Other examination requirements consisting of a tutorial, model or picture as well as, if necessary, model-related construction tasks taking place during the semester.

**Prerequisites**

None

**Competence Goal**

The students:

- know about in-depth topics from the fields within Building Studies (structure, typology and space).
- can, based on scientific research, record and analyze the complex architectural relationships.
- are capable of working out the processes, insights and content-related results in a clearly understandable manner and to present these professionally and according to the standards of the discipline.

**Content**

The topic is the in-depth dealing with various different types of buildings within the field of architecture. Based on research, analyses or tutorials the thematic contents are scientifically researched and worked on. In the foreground there is a focus on thinking architecture in a holistic manner. Contents and results are documented through texts, drawings, plans, pictures and/or models.

**Module grade calculation**

The module grade is the grade of the other examination requirements.

**Annotation**

If necessary with an excursion.

**Workload**

In-class time: Seminar 30 h

Self-study: Preparation/follow-up, written paper/project 90 h

## M

**3.7 Module: City Theory [M-ARCH-103635]****Responsible:** Prof. Dr.-Ing. Barbara Engel**Organisation:** KIT Department of Architecture**Part of:** [Architectural Core Competences from 01.04.2022 \(Compulsory Elective Subject "Urban- and Landscape Planning"\)](#)  
[Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each summer term	1 term	German/English	4	1

Mandatory			
T-ARCH-107377	<a href="#">City Theory</a>	4 CR	Engel

**Competence Certificate**

Other examination requirements each consisting of seminar papers in written and/or drawn form consisting of maximum 20 pages and a presentation or an oral talk lasting maximum 20 minutes.

**Prerequisites**

None

**Competence Goal**

The students:

- have knowledge of the current urban planning discourses, conditions and tendencies of the current debate going on with regard to urban development. They understand the manifold roles of planning and planners within society.
- have the ability to critically analyze and reflect on conceptual urban models and strategies and can use these for the problems facing today's urban planning world.
- can, based on various different historical and contemporary understandings of space as social space, built-up space and free space, formulate the requirements regarding the development of urban spaces.
- are capable of working independently in a scientific manner and are able to work out their own position to a topic and to be able to present this specialized knowledge within a fitting framework.

**Content**

The focus of the urban theory seminar is on dealing with processes and debates which are going on in the backdrop behind the spatial phenomena and developments that are taking place. In this seminar the knowledge of various different planning processes and methods, participation as well as democracy regarding planning in local and/or international contexts is taught and critically evaluated.

**Module grade calculation**

The module grade is the grade of the other examination requirements.

**Workload**

In-class time: Seminar 45 h

Self-study: Preparation/follow-up, written paper/project 75 h

## M

**3.8 Module: Communication of Architecture [M-ARCH-103626]****Responsible:** Prof. Dr. Riklef Rambow**Organisation:** KIT Department of Architecture**Part of:** [Architectural Core Competences from 01.04.2022 \(Compulsory Elective Subject "Designing, History, Art and Theory"\)](#)  
[Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each term	1 term	German/English	4	1

Mandatory			
T-ARCH-107368	<a href="#">Communication of Architecture</a>	4 CR	Rambow

**Competence Certificate**

Other examination requirements consisting of a presentation lasting 30 minutes within the framework of the course and a written composition encompassing approx. 15 pages.

**Prerequisites**

None

**Competence Goal**

The students:

- can recognize and analyze communication needs in an important application area of architectural communication, can name and define target groups in order to be able to develop an effective method of mediation on this basis.
- can name and select fitting media and instruments.
- are able to research and assess the most important prerequisites in order to align the measures being implemented with these.
- know the most important forms of portrayal and presentation of communication concepts and can competently implement and design these in order to win over potential clients and financial lending institutions for their projects.
- can work in a self-organized, reflected and goal-oriented manner.
- have the competency to organize themselves in teams, to define sub-tasks and to assign these, to be able to recognize the various different skills and abilities of the team members and to be able to implement these in a targeted manner in order to achieve the best result possible.

**Content**

Based on a selected, central area of application of architecture communication (e.g. architectural exhibitions, mediating institutions, participative planning procedures, architectural journalism and criticism, architecture in film and television) basic fundamental theories, research techniques and scientific processes for the systematic acquiring of knowledge are presented and practiced. Based on a well-founded overview of the current status of the problems being focused on, contextual conditions and solution approaches within the chosen field of practice, the participants develop and formulate an exemplary individual conceptual strategy which is presented and discussed in the seminar. For this, if possible, current realistic and practice-relevant contexts are selected. Based on these examples, the social relevance of architecture and building culture is made clear and the relationship between planning processes and results is discussed.

**Module grade calculation**

The module grade is the grade of the other examination requirements.

**Workload**

In-class time: Seminar 60 h

Self-study: Preparation/follow-up, written paper/project 60 h

## M

**3.9 Module: Design Project [M-ARCH-105672]**

**Responsible:** Studiendekan/in Architektur  
**Organisation:** KIT Department of Architecture  
**Part of:** [Designing](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
14	Grade to a tenth	Each term	1 term	German/English	4	1

Mandatory			
T-ARCH-107344	<a href="#">Design Project 2</a>	12 CR	Architektur
T-ARCH-111329	<a href="#">Free Design Specialization</a>	2 CR	Architektur

**Competence Certificate**

Other examination requirements consisting of two parts:

1. an architectural or urban design draft that is produced during the semester. Working on the design task is done, as a rule, individually; there are regular supervisions resp. corrections that take place. The progress monitoring occurs during the study course within the framework of one or more intermediate presentations as well as a final presentation. Here the produced results are portrayed and assessed in the form of drawings, models (analog and/or digital), texts and talks. The duration of the presentation is approx. 20 minutes per project.

2. performance during the semester for theoretical or practical consolidation of the design topic, as a rule, of a project work with drawings whose scope depends on the respective task assigned or of an oral talk of approx. 15 minutes duration and a written paper on it encompassing approx. 20 pages or an equivalent assessment which has to be coordinated with the examiner.

**Competence Goal**

The students:

- can formulate original ideas and concepts as well as being able to develop design-related strategies based on these.
- can analyze and understand situations and tasks assigned that involve a high complexity level within an urban context.
- are able to transfer the design concept consequently into an architectural work or an urban design project within the framework of a structured design process based on multifaceted parameters such as context, program, formal and spatial effects etc. Thereby they have the ability to continuously develop the original concept within a draft process, can formulate the architectural ideas being implemented in a well-founded manner, can work out variants during the design process as well as being able to compare and assess these. In addition, they have the capability of being able to include manifold criteria from urban planning, ecology and economics as well as taking into account the socio-cultural and historic contexts.
- can draw in a design-sure manner from the pool of architectural elements, spatial and programmatic strategies as well as constructive and static implications that they have amassed during their studies; they can properly apply, modify and continuously develop these for their own design project.
- have at their command the necessary knowledge regarding construction, supporting structures and integrated building technology, accessibility, planning methods, in proportion, atmosphere and type studies and are able to integrate all of these aspects into their design.
- are able to, based on the task given, select the necessary degree of detail as well as the fitting presentation and visualization technique, work these out and to thereby develop an individualized, concise and understandable language for the architectural presentation as a drawing, an image and a model.
- know the methods, requirements and ways of thinking of the various different disciplines and are able to apply these.
- are able to work independently and in a set time period on a problem from the discipline that they have chosen regarding their design specialization project according to scientific, design-related, constructive-technical, theoretic-historical, urban planning, organizational and drafting process methods that they have acquired during their studies.

**Content**

In this module further knowledge on architectural design or urban planning design based on changing highly complex design projects is imparted. The tasks being worked on are usually formulated in an open manner and require research as well as original architectural thought as a basis for the concept development as well as dealing critically with the corresponding urban planning or landscape-related context. The applied methods encompass the analysis of spatial and thematic contexts, the development of an architectural or urban planning design concept based on various different scale levels whilst taking into account the spatial, functional and constructive structure in dependence of the materialization, theme and typology. The communication of the results includes the choice of the fitting presentation technique going from the conceptual draft to plans all the way to analog or digitally generated models. The independent detailed working on of the supervised design project includes applying the knowledge and competencies that come from all areas of architectural studies.

The design specialization can have a building planning, theoretical, digital, urban or building technical focus. It is always an accompanying course to a building construction or urban construction design and can be taken with the examiner of the design or with another examiner. In various different course formats (workshops, seminars, lectures, tutorials) knowledge, methods, strategies and (digital) design tools are taught which are based on the respective design topics.

**Module grade calculation**

The module grade is the grade of the other examination requirements.

**Annotation**

With a mandatory excursion.

Design project and design specialization must be connected in terms of content and completed in the same semester.

**Workload**

In-class time: Supervision/presentations 90 h

Self-study components: Development of an architectural design and design specialization 330 h

## M

**3.10 Module: Design Theory [M-ARCH-103631]****Responsible:** Prof. Simon Hartmann**Organisation:** KIT Department of Architecture**Part of:** [Architectural Core Competences from 01.04.2022 \(Compulsory Elective Subject "Designing, History, Art and Theory"\)](#)  
[Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each term	1 term	German/English	4	1

Mandatory			
T-ARCH-107373	<a href="#">Design Theory</a>	4 CR	Hartmann

**Competence Certificate**

Other examination requirements consisting of a written paper on the contents of the seminar encompassing approx. 20 pages and of an oral test (qualified discussion contributions, oral presentation or an oral exam lasting for about 15 minutes).

**Prerequisites**

None

**Competence Goal**

The students:

- have the ability of understanding elements that occur and questions posed which accompany the design creation process.
- have the ability of coming up with a thesis within the field of architecture and to work on this in a written, scientifically well-founded manner.

**Content**

Course within the field of Architectural Thought. The courses are meant to ensure that the elements that occur and the questions that are posed during the design creation process are made understandable. Here, with this, the attempt is made to give the students a number of relevant tools with which they can work with. The requirement scope includes a written paper on one of the aspects that is a topic within the courses given.

**Module grade calculation**

The module grade is the grade of the other examination requirements.

**Workload**

In-class time: Seminar 30 h

Self-study: Preparation/follow-up, written paper/project 90 h

## M

**3.11 Module: Design to Built [M-ARCH-104514]**

**Responsible:** Studiendekan/in Architektur  
**Organisation:** KIT Department of Architecture  
**Part of:** [Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a third	Each term	1 term	German/English	4	1

Mandatory			
T-ARCH-109244	<a href="#">Design to Built</a>	4 CR	Architektur

**Competence Certificate**

Examination of a different kind consisting of the creation of an implementation plan for an existing project and the realization on a scale of 1:5 to 1:1. Usually group work, the share of the individual participants must be clearly recognizable.

**Prerequisites**

none

**Competence Goal**

The students:

- are able to work out a self-designed project in such a way that it can be realized as a whole or a part or detail, using their own resources.
- have the manual skills to create a 1:5 to 1:1 scale model of their project or part/detail of the project.
- can determine the materials for this model in terms of financial, technical and design requirements and possibilities.
- can find suitable solutions in a team and contribute to them according to their abilities.

**Content**

In the course, projects on a scale of 1:5 to 1:1 are realized or built as a model. For this purpose, the existing design is further elaborated with regard to feasibility (e.g. choice of materials, joining, etc.), the materials are procured and the model is built. This is usually done in groups and either after completion of the design/project or parallel to it.

**Module grade calculation**

The module grade is the grade of the other type of examination.

**Workload**

Attendance time: Supervision 15 h

Self-study: elaboration and model making 105 h

## M

**3.12 Module: Detailed Topics of Building Lifecycle Management [M-ARCH-103656]**

**Responsible:** Prof. Dr.-Ing. Petra von Both  
**Organisation:** KIT Department of Architecture  
**Part of:** [Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Irregular	1 term	German/English	4	1

Mandatory			
T-ARCH-107399	<a href="#">Detailed Topics of Building Lifecycle Management</a>	4 CR	von Both

**Competence Certificate**

The other type of examination consists of the preparation of a written/drawing paper of approx. 20 pages. There is also a 15-minute presentation and discussion of the results.

**Prerequisites**

None

**Competence Goal**

The students:

- know selected technical contents, methods, tools or technologies of Building Lifecycle Management and the principles behind them.
- are able to critically assess the knowledge, methods and technologies taught in the course and apply them in a problem-oriented manner.
- have basic practical experience in the application of the content, methods, tools or technologies taught.

**Content**

This course delves into various aspects of building lifecycle management and refers to current trends and requirements. In this module, students are taught methodological and/or technical knowledge on selected current topics of Building Lifecycle Management.

**Workload**

Attendance time: Seminar 60 h

Self-study: preparation/follow-up, homework/project work 60 h

## M

**3.13 Module: Digital Design and Fabrication [M-ARCH-105857]****Responsible:** TT-Prof. Moritz Dörstelmann**Organisation:** KIT Department of Architecture**Part of:** [Specialization \(Compulsory Elective Subject Specialization\)](#) (Usage from 10/1/2021)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each term	1 term	German/English	4	1

Mandatory			
T-ARCH-111790	<a href="#">Digital Design and Fabrication</a>	4 CR	Dörstelmann

**Competence Certificate**

Other examination requirements based on a final presentation.

**Prerequisites**

none

**Competence Goal**

The students:

- are familiar with basic concepts, theory and history of digital tools in architecture;
- can keep up with future developments in digital tools through independent learning;
- are able to use the newly-gained knowledge about digital design and manufacturing technologies for the conception of circular construction methods that respond to future challenges
- have developed a material and process-specific construction and design repertoire through computational design tools;
- are able to identify future fields of application of digital design and fabrication processes in architecture and are able to formulate further research questions;
- can assess the architectural and construction potential of digital fabrication processes and can identify technical obstacles and necessary resources for their implementation;
- are able to conceptualise, implement and reflect on the use of digital design tools in design practice.

**Content**

The course conveys digital design and production methods at the intersection of research and teaching as enabling technology for circular construction methods. Reciprocities of design and construction-relevant parameters are identified and utilized as design drivers in explorative computational design tools.

**Module grade calculation**

The module grade is the grade of the other examination requirement.

**Workload**

Class attendance: Lectures, tutorials 60 h

Independent study: preparing/follow-up work, exam preparation, project work 60h

## M

**3.14 Module: Fine Arts [M-ARCH-103624]****Responsible:** Prof. Stephen Craig**Organisation:** KIT Department of Architecture**Part of:** [Architectural Core Competences from 01.04.2022 \(Compulsory Elective Subject "Designing, History, Art and Theory"\)](#)  
[Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each term	1 term	German/English	4	1

Mandatory			
T-ARCH-107366	<a href="#">Fine Arts</a>	4 CR	Craig

**Competence Certificate**

Other examination requirements consisting of handing in and presenting semester works in the form of pictures or sculptures. Mandatory and a prerequisite is the regular participation in class.

**Prerequisites**

None

**Competence Goal**

The students:

- can work on a topic in a conceptual manner with the goal of setting up their own thesis and then realizing this within the scope of a free work of art.
- are able to develop an individual position and to formulate it as well as being able to discuss and argue the topic.
- are able to critically assess, to question and to come to comparative conclusions.
- have sensitized their perception and have developed their creative potential.
- can hold a presentation in front of a group.

**Content**

At the start observing, perceiving and questioning in a targeted manner that what is perceived plus the intense dealing with the topic builds the basis for the design process as a whole. The insights made from this are analyzed, interpreted and formulated into one's own statement. After the students have found their topic, their concept, they work on it as an own free work of art. Thereby they learn which means and forms are the right ones for how they want to express themselves.

**Module grade calculation**

The module grade is the grade of the other examination requirements.

**Annotation**

Every semester several courses are offered for this module with changing topics. In this module only one of the courses can be chosen.

**Workload**

In-class time: Seminar, tutorials 45 h

Self-study: Project work 75 h

## M

**3.15 Module: Historical Building Research [M-ARCH-103676]**

**Responsible:** Prof. Dr.-Ing. Joaquín Medina Warmburg  
**Organisation:** KIT Department of Architecture  
**Part of:** [Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each term	1 term	German	4	1

Mandatory			
T-ARCH-107417	<a href="#">Historical Building Research</a>	4 CR	Medina Warmburg

**Competence Certificate**

The other type of examination comprises the measurement of a building including the preparation of a set of plans, its graphic design and preparation, the scientific analysis and interpretation of a complex building finding as well as the oral and written/drawn presentation of the observations on the history of the building and its use during a final colloquium/presentation.

**Prerequisites**

None

**Competence Goal**

The students:

- are able to apply and combine different methods of form-appropriate building recording, building documentation and to analyze, interpret and present the observed findings.

**Content**

Preparation of a building survey that meets all scientific requirements in terms of accuracy and informative value.

**Module grade calculation**

Module grade is the grade of the other type of examination.

**Workload**

Attendance time: Exercise 60 h

Self-study: Preparation/follow-up, project work 60 h

## M

**3.16 Module: History of Architecture [M-ARCH-105862]****Responsible:** Prof. Dr.-Ing. Joaquín Medina Warmburg**Organisation:** KIT Department of Architecture**Part of:** [Architectural Core Competences from 01.04.2022 \(Compulsory Elective Subject "Designing, History, Art and Theory"\)](#) (Usage from 10/1/2021)  
[Specialization \(Compulsory Elective Subject Specialization\)](#) (Usage from 10/1/2021)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each term	1 term	German/English	4	1

Mandatory			
T-ARCH-111795	<a href="#">History of Architecture</a>	4 CR	Medina Warmburg

**Competence Certificate**

Other examination requirements consisting of an oral presentation of about 30 minutes as well as the written worked-out paper on this topic. There are certain courses where the examination requirement is project work consisting of a drawing of the given task.

**Prerequisites**

none

**Competence Goal**

The students:

- have deepened their knowledge of history of architecture and are able put it into practice.
- have expanded methodological competence.
- are able to independence in scientific work.
- have an understanding of the meaning and purpose of scientific standards.
- have skills in the oral, written or graphic presentation of urban history contents.

**Content**

Analysis of selected architectural history case studies within overarching topics.

**Module grade calculation**

The module grade is the grade of the other examination requirements.

**Annotation**

In this module several courses with changing topics are offered every semester.

**Workload**

In-class time: Seminar 30 h

Self-study: Preparation/follow-up, written paper/project 90 h

## M

**3.17 Module: History of Landscape Architecture [M-ARCH-103638]****Responsible:** Prof. Henri Bava**Organisation:** KIT Department of Architecture**Part of:** [Architectural Core Competences from 01.04.2022 \(Compulsory Elective Subject "Urban- and Landscape Planning"\)](#)  
[Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each winter term	1 term	German/English	4	1

Mandatory			
T-ARCH-107380	<a href="#">History of Landscape Architecture</a>	4 CR	Bava

**Competence Certificate**

Other examination requirements consisting of a written composition that has to be undertaken together with a smaller design task in the course of the lecture period. The progress monitoring occurs during the study period within the framework of up to two intermediate and one final presentation.

**Prerequisites**

None

**Competence Goal**

The students:

- can analyze, structure and formally describe the spatial and structural specialties of landscape planning projects.
- are able to classify landscape typologies within their historical contexts.
- are able to critically evaluate the promotion of nature-related and urban landscape processes at various different levels of scale.

**Content**

The students, based on a lecture, learn about the historical development of landscape architecture. The students are taught all about historical landscape typologies. Based on a concrete planning task spatial analysis and design skills are trained.

**Module grade calculation**

The module grade is the grade of the other examination requirements.

**Workload**

In-class time: Seminar, tutorials 45 h

Self-study: Project work 75 h

## M

**3.18 Module: History of Urban Planning [M-ARCH-105860]****Responsible:** Prof. Dr.-Ing. Joaquín Medina Warmburg**Organisation:** KIT Department of Architecture**Part of:** [Architectural Core Competences from 01.04.2022 \(Compulsory Elective Subject "Designing, History, Art and Theory"\)](#) (Usage from 10/1/2021)  
[Specialization \(Compulsory Elective Subject Specialization\)](#) (Usage from 10/1/2021)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each term	1 term	German/English	4	1

Mandatory			
T-ARCH-111793	<a href="#">History of Urban Planning</a>	4 CR	Medina Warmburg

**Competence Certificate**

Other examination requirements consisting of an oral presentation of about 30 minutes as well as the written worked-out paper on this topic. There are certain courses where the examination requirement is project work consisting of a drawing of the given task.

**Prerequisites**

none

**Competence Goal**

The students:

- have deepened their knowledge of the history of urban development and are able put it into practice.
- have expanded methodological competence.
- are able to independence in scientific work.
- have an understanding of the meaning and purpose of scientific standards.
- have skills in the oral, written or graphic presentation of urban history contents.

**Content**

Analysis of selected urban history case studies within overarching topics.

**Module grade calculation**

The module grade is the grade of the other examination requirements.

**Annotation**

In this module several courses with changing topics are offered every semester.

**Workload**

In-class time: Seminar 30 h

Self-study: Preparation/follow-up, written paper/project 90 h

## M

**3.19 Module: Impromptu Designs [M-ARCH-103612]**

**Responsible:** Studiendekan/in Architektur  
**Organisation:** KIT Department of Architecture  
**Part of:** [Designing](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each term	1 term	German/English	4	2

Mandatory			
T-ARCH-107346	<a href="#">Impromptu Designs</a>	4 CR	Architektur

**Competence Certificate**

Other examination requirements consisting of at least four impromptu design projects with a working on time period of respectively a maximum of two weeks. Working on the design tasks takes place individually respectively in groups of two (maximum number). Consultation and feedback appointments may be offered. The progress monitoring takes place during the study course within the framework of one presentation per impromptu design project. There the worked out results are presented and assessed in the form of drawings, models, texts or oral talks. The duration of the respective presentation is approx. 10 minutes. For the grade of the examination requirement the four impromptu design projects are graded as equal parts.

**Prerequisites**

none

**Competence Goal**

The students:

- can independently develop concepts and ideas out of that what they have already learned and can realize these within a short period of time.
- know methods and strategies for the quick development of possible solutions and approaches as well as being able to apply these.
- know a wide spectrum of design-oriented and order-giving principles, can develop these and apply them.
- are able to, based on the task given, select the necessary degree of detail as well as the fitting presentation and visualization technique and to work these out.
- are able to develop supporting structure planning and constructive solutions.

**Content**

Impromptu design projects are, as a rule, unsupervised small design tasks. The tasks aim mainly at developing a supportive idea and presenting this convincingly. The thematic spectrum goes from architectural, urban design over artistic all the way to supporting structural planning or building technological tasks which are assigned. For the supporting structure impromptu design project the focus is additionally on working out design-relevant details as well as constructive solutions.

**Module grade calculation**

The module grade is the grade of the other examination requirements.

**Annotation**

Confirmation of participation on the "Impromptu design docket/control slip". Please see the note on page 3.

[http://www.arch.kit.edu/downloads/161214\\_Stegreif\\_Laufzettel.pdf](http://www.arch.kit.edu/downloads/161214_Stegreif_Laufzettel.pdf)

**Workload**

In-class time: Presentations 5 h

Self-study components: Development of an architectural design 115 h

## M

**3.20 Module: Integral Planning [M-ARCH-103617]**

**Responsible:** Prof. Dr.-Ing. Petra von Both  
**Organisation:** KIT Department of Architecture  
**Part of:** [Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each winter term	1 term	German/English	4	1

Mandatory			
T-ARCH-107359	<a href="#">Integral Planning</a>	4 CR	von Both

**Competence Certificate**

The main focus of the other examination requirement is drawing up a written/planning-focused composition encompassing approx. 10 pages. In addition, a 15-minute presentation and discussion of the results.

**Prerequisites**

None

**Competence Goal**

The students:

- have a basic understanding of the system-oriented, integral thought processes as well as knowledge of the basics of integral planning.
- know the basic principles of integral planning.
- can analyze, structure and describe planning problems within the field of architecture.
- know select planning-supportive methods and techniques for various different processes within the course of planning: problem analysis, solution synthesis (finding ideas, concept development), decision-making and assessment.
- are able to critically judge the methods taught and apply these problem-based when it comes to the synthesis of planning solutions.

**Content**

In this module students are taught the theoretical basics and practical aspects of planning methodology. In addition to the general basics, terminology and approaches of construction methods and systems engineering, the focus is also on construction-specific aspects of integral planning. Dealt with are select planning-supportive methods and techniques for various different processes within the course of planning. Depending on the semester focus these are: problem analysis, solution synthesis (finding ideas, concept development), decision-making and/or assessment.

**Module grade calculation**

The module grade is the grade of the other examination requirements.

**Workload**

In-class time: Seminar 60 h

Self-study: Preparation/follow-up, written paper/project 60 h

**Recommendation**

Knowledge of the basics of planning methodology are helpful.

## M

**3.21 Module: Interdisciplinary Design of Steel Structures [M-ARCH-106915]**

**Responsible:** Prof. Dr.-Ing. Riccardo La Magna  
Prof. Dr.-Ing. Thomas Ummenhofer

**Organisation:** KIT Department of Architecture

**Part of:** **Specialization (Compulsory Elective Subject Specialization)** (Usage from 10/1/2024)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each winter term	1 term	German	4	1

Mandatory			
T-ARCH-113852	<b>Interdisciplinary Design of Steel Structures</b>	4 CR	La Magna

**Competence Certificate**

Examination of another kind consisting of a structural design:

- Drawing and description of the building,
- plans with documentation,
- two intermediate presentations and final presentation, each approx. 15 min.

**Competence Goal**

After participating in the module, students will be able to understand and apply the following governing requirements in the design process of a structure:

- recognize the relationship between architectural design, material selection, support structure and structural details.
- develop structural concepts, identify promising variants based on considerations of material, function, design and plausibility, and finally detail a structural design in a progressive process up to feasibility
- integrate divergent requirements from different disciplines into their structural design (teamwork and interdisciplinarity)
- present their results precisely, clearly and within the given time frame using the usual means of presentation (lecture, plans, reports, models)
- to be able to quickly abstract meaningful answers to design-specific questions within the framework of the interim and final presentations on the basis of the specialist knowledge acquired by then
- to recognize and understand other, among others discipline-specific perspectives and to derive practical consequences for a good interdisciplinary cooperation

**Content**

The module is aimed at students of architecture and civil engineering and promotes integrative work between the closely related disciplines. Constructive design is practiced on the basis of an annually changing design task (steel construction), which is worked on in teams of two to four students from the different disciplines. Each brings his or her special knowledge to the design process in order to develop a detailed project together from the beginning. The groups are supervised by teaching assistants from the two participating institutions. Structural design and development is divided into three phases:

- structural concept (design planning): Presentation and explanation of the selected primary load-bearing systems for the individual parts of the building, as well as delimitation and evaluation against optional load-bearing systems.
- elaboration and dimensioning (approval planning): Structure of the supporting structure/positioning; determination of the actions, loads and internal forces on the supporting structure; dimensioning and sizing of the primary support system, if necessary pre-dimensioning of other necessary supporting elements; presentation as well as dimensioning of the bracing system; dimensioning and sizing of selected detail points
- representation, detailing and construction planning (detailed design): Floor plan, elevations, sections, if necessary axonometry and presentation model of the load-bearing and bracing system, presentation of 2-3 selected detail points, explanations on prefabrication, transport and assembly, explanations on possibilities of disassembly/ reusability and recycling.

Each of the three phases will be concluded with a presentation of the intermediate results (phases 1 and 2) or the final result.

During the lecture period there are weekly events on the module. In these, the individual groups are supervised by staff members of the participating chairs. At least 30 minutes of meeting time are scheduled per group. In addition, collective consultation hours are offered with all groups on global issues concerning design, construction, structural analysis and detailing. In addition, the lecturers will give impulse presentations.

**Module grade calculation**

Grade of the modul is grade of the exam.

**Annotation**

The work on the design project will be done in teams of students of Architecture and Civil Engineering.

**Workload**

Contact Hours (1 HpW = 1 h x 15 weeks):

- seminar, feedback meetings, interim presentations: 25 h

Independent Study:

- working out the design project in a team: 75 h
- preparation of the requested deliverables, preparation of the final presentation (examination): 20 h

Total: 120 h

## M

**3.22 Module: Interdisciplinary Design of Timber Structures [M-ARCH-106126]**

**Responsible:** Prof. Dr.-Ing. Philipp Dietsch  
Prof. Dr.-Ing. Riccardo La Magna

**Organisation:** KIT Department of Architecture

**Part of:** **Specialization (Compulsory Elective Subject Specialization)** (Usage from 10/1/2022)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each summer term	1 term	German	4	2

Mandatory			
T-ARCH-112497	<b>Interdisciplinary Design of Timber Structures</b>	4 CR	Dietsch, La Magna

**Competence Certificate**

Examination of another kind consisting of a structural design:

- Drawing and description of the building,
- plans with documentation,
- two intermediate presentations and final presentation, each approx. 15 min.

**Prerequisites**

keine

**Competence Goal**

After participating in the module **Interdisciplinary Design of Timber Structures**, students will be able to understand and apply the following governing requirements in the design process of a structure:

- recognize the relationship between architectural design, material selection, support structure and structural details.
- develop structural concepts, identify promising variants based on considerations of material, function, design and plausibility, and finally detail a structural design in a progressive process up to feasibility
- integrate divergent requirements from different disciplines into their structural design (teamwork and interdisciplinarity)
- present their results precisely, clearly and within the given time frame using the usual means of presentation (lecture, plans, reports, models)
- to be able to quickly abstract meaningful answers to design-specific questions within the framework of the interim and final presentations on the basis of the specialist knowledge acquired by then
- to recognize and understand other, among others discipline-specific perspectives and to derive practical consequences for a good interdisciplinary cooperation (supported by House of Competence)

**Content**

The module is aimed at students of architecture and civil engineering and promotes integrative work between the closely related disciplines. Constructive design is practiced on the basis of an annually changing design task (timber building of simple use), which is worked on in teams of two to four students from the different disciplines. Each brings his or her special knowledge to the design process in order to develop a detailed project together from the beginning. The groups are supervised by teaching assistants from the two participating institutions. Structural design and development is divided into three phases:

- structural concept (design planning): Presentation and explanation of the selected primary load-bearing systems for the individual parts of the building, as well as delimitation and evaluation against optional load-bearing systems.
- elaboration and dimensioning (approval planning): Structure of the supporting structure/positioning; determination of the actions, loads and internal forces on the supporting structure; dimensioning and sizing of the primary support system, if necessary pre-dimensioning of other necessary supporting elements; presentation as well as dimensioning of the bracing system; dimensioning and sizing of selected detail points
- representation, detailing and construction planning (detailed design): Floor plan, elevations, sections, if necessary axonometry and presentation model of the load-bearing and bracing system, presentation of 2-3 selected detail points, explanations on prefabrication, transport and assembly, explanations on possibilities of disassembly/reusability and recycling.

Each of the three phases will be concluded with a presentation of the intermediate results (phases 1 and 2) or the final result.

The project is accompanied by the House of Competence through workshops on interdisciplinary cooperation, teamwork and communication skills.

During the lecture period there are weekly events on the module. In these, the individual groups are supervised by staff members of the participating chairs. At least 30 minutes of meeting time are scheduled per group. In addition, collective consultation hours are offered with all groups on global issues concerning design, construction, structural analysis and detailing. In addition, the lecturers will give impulse presentations.

**Module grade calculation**

Grade of the modul is grade of the exam.

**Annotation**

The work on the design project will be done in teams of students of Architecture and Civil Engineering.

For the supervision of the team work 1 CP can be credited as Interdisciplinary Qualifications by HoC.

For the parts on teamwork, which are accompanied by the House of Competence (HoC), 1 LP can be acquired for the area 'Interdisciplinary Qualification' or as additional accomplishment.

**Workload**

Contact Hours (1 HpW = 1 h x 15 weeks):

- seminar, feedback meetings, interim presentations: 25 h

Independent Study:

- working out the design project in a team: 75 h
- preparation of the requested deliverables, preparation of the final presentation (examination): 20 h

Total: 120 h

## M

**3.23 Module: International Urban Design [M-ARCH-103634]****Responsible:** Prof. Dr.-Ing. Barbara Engel**Organisation:** KIT Department of Architecture**Part of:** [Architectural Core Competences from 01.04.2022 \(Compulsory Elective Subject "Urban- and Landscape Planning"\)](#)  
[Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each winter term	1 term	German/English	4	1

Mandatory			
T-ARCH-107376	<a href="#">International Urban Design</a>	4 CR	Engel

**Competence Certificate**

Other examination requirements each consisting of seminar papers in written and/or drawn form consisting of maximum 20 pages and a presentation or an oral talk lasting maximum 20 minutes.

**Prerequisites**

None

**Competence Goal**

The students:

- have knowledge of international urban planning phenomena, urban types in various different cultural and social circles as well as an insight into the current transformation processes of urban systems. They understand complex relationships affecting all of society as well as their influences on urban development.
- can interpret order and design principles of urban planning against the background of guiding social principles and paradigms.
- are capable of working independently in a scientific manner and are able to work out their own position to a topic and to be able to present this specialized knowledge within a fitting framework.

**Content**

In the focus of the urban planning seminar is documentation work as well as critical analysis and the students own evaluation of spatial and design-related aspects regarding cities within a local and/or an international context. Taught and worked on is extensive knowledge on economic, social, political, ecological and spatial relationships of urban development in European as well as non-European cities.

**Module grade calculation**

The module grade is the grade of the other examination requirements.

**Workload**

In-class time: Seminar 45 h

Self-study: Preparation/follow-up, written paper/project 75 h

## M

**3.24 Module: Key Qualifications [M-ARCH-105682]**

**Responsible:** Studiendekan/in Architektur  
**Organisation:** KIT Department of Architecture  
**Part of:** Interdisciplinary Qualifications

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
6	pass/fail	Each term	1 term	German/English	4	2

Mandatory			
T-ARCH-111342	Seminar Week		2 CR Architektur
Elective Key Qualifications (Election: at least 4 credits)			
T-ARCH-107423	Course in the Study Workshop Modell		2 CR Gäng, Heil, Jäger
T-ARCH-107422	Course in the Study Workshop Photography		4 CR Seeland
T-ARCH-107420	Wildcard		4 CR
T-ARCH-109969	Office Hospitation		2 CR Architektur
T-ARCH-109978	Visit Lecture Series Master		1 CR Architektur
T-ARCH-111775	Self Assignment HoC-FORUM-SpZ 1 not graded		2 CR Architektur
T-ARCH-111776	Self Assignment HoC-FORUM-SpZ 2 not graded		2 CR Architektur
T-ARCH-111777	Self Assignment HoC-FORUM-SpZ 3 not graded		2 CR Architektur
T-ARCH-111778	Self Assignment HoC-FORUM-SpZ 4 graded		2 CR Architektur
T-ARCH-111779	Self Assignment HoC-FORUM-SpZ 5 graded		2 CR Architektur
T-ARCH-111780	Self Assignment HoC-FORUM-SpZ 6 graded		2 CR Architektur

**Competence Certificate**

Success is assessed in the form of coursework, the type and scope of which vary depending on the event attended.

The assessment of the partial achievement "Attendance of lecture series" consists of the confirmation of attendance of at least 15 lectures of the event series "Karlsruhe Architecture Lectures", "Lecture Series Art History" or "Building History Colloquium" of the KIT Faculty of Architecture.

**Prerequisites**

None

**Competence Goal**

The students:

- have honed their individual profile through the targeted selection of a course.
- have increased competence to act in a professional context.
- have become familiar with different ways of thinking, specifics and methods
- are able to communicate professionally with representatives of other disciplines.

**Content**

Attending the seminar week once is compulsory. During one week in the summer semester, seminar weeks are held as block courses in interdisciplinary teaching groups.

Students can choose to attend/graduate from

- all SQ courses offered by the HOC, the ZAK and language courses offered by the Language Center, the SQ courses offered by the institutions can be found in the KIT course catalog. Further information on the concept and content of the SQ courses can be found on the respective homepage (for the courses offered by the HOC: <http://www.hoc.kit.edu/lehrangebot>, key qualifications at the ZAK: <http://www.zak.kit.edu/sq>) 1-3 CP
- Office shadowing consisting of attending an introductory event and shadowing in various offices for 60 hours 2 CPs
- Attendance of lectures in the lecture series of the KIT Faculty of Architecture amounting to 30 hours (15 lectures) 1 CP
- Courses in the study workshops 2-4 CP
- one course from the entire range of courses offered by KIT or HFG worth 4 CP. Prior study counseling is required for this.

**Module grade calculation**

ungraded

**Annotation**

Interdisciplinary qualifications (IQ) completed at the House-of-Competence (HoC), at the Zentrum für Angewandte Kulturwissenschaften (ZAK) or at the Sprachenzentrum (SpZ) can be assigned in self-service.

First, select a partial accomplishment named "self-assignment" in your study schedule and second, assign an IQ-achievement via the tab "IQ achievements".

**Workload**

Attendance and self-study times vary depending on the course attended.

## M

**3.25 Module: Landscape Typologies [M-ARCH-103637]****Responsible:** Prof. Henri Bava**Organisation:** KIT Department of Architecture**Part of:** [Architectural Core Competences from 01.04.2022 \(Compulsory Elective Subject "Urban- and Landscape Planning"\)](#)  
[Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each summer term	1 term	German/English	4	1

Mandatory			
T-ARCH-107379	<a href="#">Landscape Typologies</a>	4 CR	Bava

**Competence Certificate**

Other examination requirements consisting of a written paper (15 pages) and an oral presentation (15 min.). The progress monitoring occurs during the study period within the framework of two intermediate and one final presentation in addition to a two-time text correction.

**Prerequisites**

None

**Competence Goal**

The students:

- are able to produce scientific work/academic paper.
- can apply the methods of working scientifically.
- gain skills for being able to orally discuss and in writing put down their position within the professional work frame of landscape architecture and within the context of an interdisciplinary exchange.

**Content**

Based on text analyses and case studies, in-depth knowledge on current and scale-overlapping planning tasks of landscape planning. The students receive an overview of the topics covered within landscape architecture theory.

**Module grade calculation**

The module grade is the grade of the other examination requirements.

**Workload**

In-class time: Seminar 45 h

Self-study: Preparation/follow-up, written paper/project 75 h

## M

**3.26 Module: Lecture Series [M-ARCH-105676]**

**Responsible:** Studiendekan/in Architektur  
**Organisation:** KIT Department of Architecture  
**Part of:** [Architectural Core Competences from 01.04.2022 \(mandatory\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	pass/fail	Each term	1 term	German/English	4	1

Mandatory			
T-ARCH-111335	<a href="#">Lecture Series 1</a>	2 CR	Architektur
T-ARCH-111336	<a href="#">Lecture Series 2</a>	2 CR	

**Competence Certificate**

Completed coursework consisting of e.g. thesis papers, written summaries or similar for the respective lecture series. The scope and format of the course work may vary depending on the lecture series, the performance review will be announced by the lecturers at the beginning of each course.

**Prerequisites**

none

**Competence Goal**

Students:

- are able to follow specialist and expert lectures on complex architectural, urban planning, building technology and theoretical issues and identify core theses or central building blocks of knowledge.
- are able to precisely analyze questions with reference to different positions in architectural discourse and thinking and to relate to them in a nuanced manner.
- are able to assess the relevance of different academic lines of tradition and fields of knowledge for architectural and urban design and relate them to their own research and design approaches.
- are able to participate in a professional architectural and urban design debate at a high level and to implement this both in writing and in design work.

**Content**

The Lecture Series present the multidisciplinary architectural discourse as well as the latest research results from the perspective of various experts and specialist contexts. Cross-disciplinary focus topics are addressed in alternating sequence and related to ongoing research and project work in a series of lectures by lecturers. Among other things, the respective methods and instruments used to generate architectural knowledge will also be addressed.

**Module grade calculation**

not graded

**Annotation**

Two different Lecture Series must be attended and the respective course credit completed.

**Workload**

Class attendance: Lectures 60 h

Independent study: preparing/follow-up work, exam preparation 60

## M

**3.27 Module: Methods, Strategies and Mechanisms of Urban Design [M-ARCH-103670]****Responsible:** Prof. Dr.-Ing. Barbara Engel**Organisation:** KIT Department of Architecture**Part of:** [Architectural Core Competences from 01.04.2022 \(Compulsory Elective Subject "Urban- and Landscape Planning"\)](#)  
[Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each winter term	1 term	German/English	4	1

Mandatory			
T-ARCH-107411	<a href="#">Methods, Strategies and Mechanisms of Urban Design</a>	4 CR	Engel

**Competence Certificate**

Other examination requirements consisting of an oral presentation lasting approx. 20 minutes as well as a written paper on it that encompasses a maximum of 20 pages or a research task or a concept whose type and scope depends on the respective task being assigned.

**Prerequisites**

None

**Competence Goal**

The students:

- can comprehend, describe and assess the given problems and tasks at hands that stem from the various planning phases.
- are able to apply, from a spectrum of the instruments and methods they have learned about, the fitting tools for the respective question or topic being worked on, with relation to the planning time and date as well as planning strategy, measurements, type and scope of the task set, urban technology, economic and sociological urban aspects and all in relation to the concept selected.

**Content**

The focus of the seminar is on the methods and tools of urban planning as well as the formats of communication of and participation in planning processes. Here especially the aspects of sociology, urban technology and urban economics are taken into account. Based on current as well as historical examples, various methods – going from top-down to bottom-up – are examined as to their applicability at various scale levels and at different time periods during the design and planning processes. The strategies discussed are comparatively analyzed, tested and experimented with by the students during a series of practical work assignments and exercises.

**Module grade calculation**

The module grade is the grade of the other examination requirements.

**Workload**

In-class time: Seminar 45 h

Self-study: Preparation/follow-up, written paper/project 75 h

## M

**3.28 Module: Module Master's Thesis [M-ARCH-105693]**

**Responsible:** Studiendekan/in Architektur  
**Organisation:** KIT Department of Architecture  
**Part of:** [Master's Thesis](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
30	Grade to a tenth	Each term	1 term	German/English	5	2

Mandatory			
T-ARCH-111362	<a href="#">Master's Thesis</a>	30 CR	Architektur

**Competence Certificate**

The Master's thesis is an architectural design project with an accompanying scientific paper. The progress monitoring takes place within the framework of a presentation. There the worked out results in the form of drawings, models, texts and oral talks are presented and assessed. The duration of the presentation is approx. 30 minutes per person.

**Prerequisites**

Passed module exams that encompass 86 credit points. It is highly recommended that one has collected all of the points (90 CP) by the start of working on the thesis respectively that only the key skills qualifications be worked on parallel to writing one's Master's thesis.

**Modeled Conditions**

The following conditions have to be fulfilled:

- You need to have earned at least 90 credits in the following fields:
  - Architectural Core Competences from 01.04.2022
  - Architectural Core Competences from 01.04.2022
  - Designing
  - Specialization
  - Interdisciplinary Qualifications

**Competence Goal**

The students:

- can employ the scientific, design-related, constructive-technical, theoretic-historical, urban planning, organizational and drafting process methods that they have acquired during their studies, and this in a targeted manner for working on an architectural design task of high complexity.
- can analyze and reflect on their design in a social, cultural and technological context, can work out variants during the design draft process and can compare and assess these.
- are able to, in dependence of the task given, work out the necessary degree of detail as well as the best form of presentation and visualization.
- are able to, as an accompaniment to the design draft work, produce a scientific paper which goes in-depth on one or more aspects of the design project.
- are capable of dealing critically with the self-assigned task, are able to develop their own position and viewpoint, are able to communicate this and, if necessary, defend it.
- can discuss their work within the framework of a public presentation and can give detailed answers on the work they have produced when asked about this by their examiners.

**Content**

The Master's thesis should include and summarize all of the competencies gained within one's course of studies as a final architectural design. In addition, it should show the student's qualification as to starting work within the professional field of architecture. Within the framework of the Master's thesis the students develop an architectural design independently and within a limited set time period in accordance to scientific, design-oriented, constructive-technical, theoretic-historical, urban planning, organizational and drafting methods. Thereby, within the module "Research Fields", they work on their own independently set task. Working on the project and presenting the result are within a time plan set down by the examination board. This time plan, uniform for all students, is handed out together with the Master's thesis topic.

**Module grade calculation**

The module grade is the grade of the Master's thesis.

## M

**3.29 Module: Performance Analysis for Buildings [M-ARCH-103620]****Responsible:** Prof. Andreas Wagner**Organisation:** KIT Department of Architecture**Part of:** [Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each winter term	1 term	German/English	4	1

Mandatory			
T-ARCH-107362	<a href="#">Performance Analysis for Buildings</a>	4 CR	Wagner

**Competence Certificate**

Other examination requirements consisting of two to three presentations and the discussion thereof on partial tasks of the seminar lasting altogether 45 minutes. The tasks build up on one another; therefore, the order sequence of the presentations is binding.

**Prerequisites**

None

**Competence Goal**

The students:

- understand the influence of the outside climate on the energetic and room-climatic performance of a building and from this they can deduce research targets for the optimization of the architectural design with the aid of construction-physical measures.
- are proficient in various different computer-based tools for the analysis of planning-relevant climatic factors of a location as well as the performance of buildings and can identify the respective relevant queries.
- are able to develop models from building designs for simulation programs by analyzing spatial programs and by then abstracting these in order to produce physically sensible illustrations. Hereby they identify the relevant building features and parameters for a sensible model and implement strategies for performance optimization.
- can compare building variants in order to find out what the relevant influences on the performance of a building are. They can independently validate their results based on comparisons and benchmarks.
- can evaluate their building analyses in that they can mirror their simulation results back onto decisions made during the design draft process as well as the building construction process. They are therefore capable of working out quantitative decision-making aids for the design process.

**Content**

In this module the students are introduced to simulation tools with which they can evaluate the energetic and room-climatic performance of a building. For this completed or existing designs by the students are used that are examined and optimized during the course of the seminar. In addition to learning about the basics of building simulation and building modelling in an architecture-specific manner, the main focus of the seminar is on the application of the programs. There are respective introductions and, using simple tasks, the basic functions of the programs are explored. Based on seminar tasks, under supervision independent simulations are carried out and the results are discussed within the context of the respective building designs that these were based on. This performance analysis is underpinned with practical examples and insights based on building monitoring as well as other analysis methods and tools.

**Module grade calculation**

The module grade is the grade of the other examination requirements.

**Workload**

In-class time: Seminar 45 h

Self-study: Preparation/follow-up, written paper/project 75 h

## M

**3.30 Module: Photogrammetry for Architects [M-BGU-104001]**

**Responsible:** Dr.-Ing. Thomas Vögtle  
Dr.-Ing. Uwe Weidner

**Organisation:** KIT Department of Civil Engineering, Geo and Environmental Sciences

**Part of:** [Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each term	1 term	German	4	1

Mandatory			
T-BGU-108204	<a href="#">Photogrammetry for Architects</a>	4 CR	Vögtle

## M

**3.31 Module: Planning and Building with Light [M-ARCH-103621]**

**Responsible:** Prof. Andreas Wagner  
**Organisation:** KIT Department of Architecture  
**Part of:** [Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each summer term	1 term	German/English	4	1

Mandatory			
T-ARCH-107363	<a href="#">Planning and Building with Light</a>	4 CR	Wagner

**Competence Certificate**

Other examination requirements consisting of two to three presentations and the discussion thereof on partial tasks of the seminar lasting altogether 45 minutes. The tasks build up on one another; therefore, the order sequence of the presentations is binding.

**Prerequisites**

None

**Competence Goal**

The students:

- are familiar with test facilities and measuring techniques (e.g. artificial sky) for the analysis of lighting situations in rooms/building resp. sunlight/shadow situations within an urban planning context and can work with these – depending on the task assigned – under supervision.
- are able to develop models for light simulation programs from building designs by analyzing spatial programs and, if necessary, being able to abstract these in the form of a sensible image; hereby they identify the relevant geometric scales and the material parameters and implement these.
- understand the relationship between the characteristics of various different light sources and human perception as well as health aspects and, from this, they can deduce the requirements regarding a lighting concept for the usage of certain types of buildings.
- carry out independent parameter studies in order to ascertain relevant influences on the lighting/illumination situation in rooms. They are acquainted with the methodic process regarding building simulations and can independently check their results based on comparisons or benchmarks.
- evaluate their building analyses for the purpose of mirroring back the simulation results regarding decisions made during the design process and for the lighting system chosen. They are therefore able to independently work out quantitative decision-making aids during the design process.

**Content**

In this module the students are introduced to various different planning tools for lighting planning. In addition to the basics of modelling for light simulations as well as light measurement systems/photometry, in the seminar simulation programs for the evaluation of daylight and artificial light situations in interior rooms are presented and applied. Depending on the task assigned, models for examinations, for example in the artificial sky, are produced and measured. Thematic focal points such as daylight usage, visual comfort and the interaction with other room-climatic parameters are worked on during the seminar and, based on simulations and/or measurements of one's own designs or models, discussed and analyzed.

**Module grade calculation**

The module grade is the grade of the other examination requirements.

**Workload**

In-class time: Seminar 45 h

Self-study: Preparation/follow-up, written paper/project 75 h

**Recommendation**

Successful participation in basic lectures on building physics and technical building systems in the Bachelor's program. Successful participation in the lecture lighting technology and concepts for rooms and spaces.

## M

**3.32 Module: Planning and Constructing [M-ARCH-104076]****Responsible:** Prof. Ludwig Wappner**Organisation:** KIT Department of Architecture**Part of:** [Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each term	1 term	German/English	4	1

Mandatory			
T-ARCH-108456	<a href="#">Planning and Constructing</a>	4 CR	Wappner

**Competence Certificate**

Other examination requirements that are each made up of seminar work assignments in written and/or drawn form encompassing a maximum of 20 pages and a presentation or an oral talk lasting a maximum of 20 minutes.

**Prerequisites**

None

**Competence Goal**

The students:

- know select methods of design and constructing.
- can apply these methods whilst taken into special account the materials and technological systems in an architectural, spatial context within the framework of a complex design process.

**Content**

Dealing with select methods of design and constructing whilst taken into special account the materials and technological systems in an architectural, spatial context.

**Module grade calculation**

The module grade is the grade of the other examination requirements.

**Workload**

In-class time: Seminar 45 h

Self-study: Preparation/follow-up, written paper/project 75 h

## M

**3.33 Module: Professional Detailed Planning [M-ARCH-103659]****Responsible:** Dipl.-Ing. Matthias Zöllner**Organisation:** KIT Department of Architecture**Part of:** [Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each summer term	1 term	German	4	1

Mandatory			
T-ARCH-107402	<a href="#">Professional Detailed Planning</a>	4 CR	Zöllner

**Prerequisites**

None

## M

**3.34 Module: Project Management [M-ARCH-105957]****Responsible:** Hon.-Prof. Kai Fischer**Organisation:** KIT Department of Architecture**Part of:** [Specialization \(Compulsory Elective Subject Specialization\)](#) (Usage from 4/1/2022)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each summer term	1 term	German/English	4	1

Mandatory			
T-ARCH-112102	<a href="#">Project Management</a>	4 CR	Fischer

**Competence Certificate**

Other examination requirements consisting of a written paper.

**Competence Goal**

The students:

- are familiar with project management practices and can use them to develop approaches to solutions from this field
- have learned a holistic and integrated view of construction from project development through project preparation, project planning and execution to the acceptance of a building.
- can apply this knowledge to individual tasks.

**Content**

This module provides a holistic and integrated view of construction from project development through project preparation, project planning and execution to the acceptance of a building. This includes - in addition to the technical - also the economic and legal aspects of a project. Project management practices are tested and approaches to solutions are developed.

**Module grade calculation**

The module grade is the grade of the other examination requirements.

**Workload**

In-class time: Seminar 30 h

Self-study: Homework 90 h

## M

**3.35 Module: Public Building Law [M-ARCH-103671]**

**Responsible:** Hon.-Prof. Dr. Werner Finger  
**Organisation:** KIT Department of Architecture  
**Part of:** [Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each summer term	1 term	German	4	1

Mandatory			
T-ARCH-107412	<a href="#">Public Building Law</a>	4 CR	Finger

**Competence Certificate**

The other type of examination consists of a presentation and a written examination.

**Prerequisites**

None

**Competence Goal**

The students:

- have basic knowledge of public building law, basic knowledge and understanding of public building law with other legal provisions that play a central role in its application
- are able to apply the legal regulations in practice. This also includes, in particular, interpreting legal regulations and representing their own views to those involved in building law (clients/authorities).

**Content**

Exercise on the implementation of legal regulations in public building law based on specific practical cases;

Cases from building planning law and building regulations law including ancillary areas (e.g. monument protection, environmental law).

**Module grade calculation**

Module grade is the grade of the other type of examination.

**Annotation**

It is planned to attend a court hearing on a legal dispute concerning public building law.

**Workload**

Attendance time: Lecture/exercise 60 h

Self-study: Preparation/follow-up, homework/project work, exam preparation 60 h

**Recommendation**

Basic knowledge of public building law

## M

**3.36 Module: Quarter Analysis [M-ARCH-103633]****Responsible:** Prof. Markus Nepl**Organisation:** KIT Department of Architecture**Part of:** [Architectural Core Competences from 01.04.2022 \(Compulsory Elective Subject "Urban- and Landscape Planning"\)](#)  
[Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each winter term	1 term	German/English	4	1

Mandatory			
T-ARCH-107375	<a href="#">Quarter Analysis</a>	4 CR	Neppl

**Competence Certificate**

Other examination requirements consisting of an oral presentation of the work results (duration approx. 15 minutes).

**Prerequisites**

None

**Competence Goal**

The students:

- are capable of organizing their work processes in a timely and content-related manner and are able to present the work results in an appropriate manner within the team.
- can, using a variety of methods, analyze, structure and formally describe problems within the field of urban design. They are especially capable of recognizing and interpreting urban-sociological relationships and to be able to use these for their own work.
- are able to apply various different methods of analysis that they learned during their studies. In addition, they are able to apply new methods such as active citizen participation and other user-centered survey methods coming from the field of urban sociology.
- can develop integrative solutions for problems.
- are able to express their analysis results in an oral, written and drawn format and are able to place these within an urban-sociological context.

**Content**

Within the module large-scale urban spaces are examined as to their usage, structure and social-spatial interaction. At the same time the term of the urban quarter or district is to be defined and is analyzed as to its relevance within urban planning and development. The basics of urban sociology and contents pertaining to this are taught. One focus hereby is on the interlinking of urban-sociological contents and user-centered analysis methods such as citizen surveys and methods of participation.

**Module grade calculation**

The module grade is the grade of the other examination requirements.

**Workload**

In-class time: Seminar 30 h

Self-study: Preparation/follow-up, written paper/project 90 h

## M

**3.37 Module: Research Fields [M-ARCH-103639]**

**Responsible:** Studiendekan/in Architektur  
**Organisation:** KIT Department of Architecture  
**Part of:** Specialization (mandatory)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
6	Grade to a tenth	Each term	1 term	German/English	4	3

Research Seminar/Independent Student Research Project (Election: at most 1 item as well as at most 4 credits)			
T-ARCH-107381	Research Seminar	4 CR	Architektur
T-ARCH-107382	Independent Student Research Project	4 CR	Architektur
Mandatory			
T-ARCH-112875	Participation Doctoral Colloquium	0 CR	Architektur
T-ARCH-107383	Preparation Master's Thesis	2 CR	Architektur

**Competence Certificate**

The progress monitoring consists of three parts:

1. Other examination requirements consisting of a specific research-oriented assignment undertaken. The topic must, at the very beginning of starting work on it, be coordinated and approved by the supervising area or discipline, stating clearly the scope, time frame and qualitative criteria being applied. The requirement is worked on in the form of scientific texts with explanatory graphics; a presentation is also possible.
2. Completed coursework consisting of the one-time participation in the one-day doctoral colloquium of the KIT Department of Architecture, this is a prerequisite for registration for the 3rd part:
3. Completed coursework consisting of a self-formulated differentiated task that the students set themselves for their own MA thesis. During one's studies at least two supervisory sessions take place; the requirement is worked on in the form of scientific texts with explanatory graphics.

**Prerequisites**

None

**Competence Goal**

The students:

- know specific rules and methods for working scientifically within the field of architecture and closely related disciplines.
- develop an individual research interest.
- from this deduce a topic or question to work on and set down, in consultation with their supervisor, fitting research methods and define work steps.
- undertake the planned project within a fixed time frame and apply the methods selected for it in the proper manner.
- can document and evaluate data and/or research results.
- can present their results using discipline-specific media (e.g. drawings, diagrams, maps, texts, presentations).
- can reflect on the results and are able to apply these to related, discipline-spanning questions and enquiries.
- are able to apply results and facts onto design contexts and to develop suggestions as to solutions (design, synthesis).
- can independently develop and formulate, within a set period of time, the topic of their own Master's thesis which has to be undertaken and worked on within the scope of the time frame given (six months here).

**Content**

Studying Architecture is framed by dealing with manifold topics on a design and constructive level. In addition to this, the analytical research-oriented dealing with questions is a characteristic of this universal study course. In the research seminar scientific work methods related to a concrete research topic are presented and practiced. The free study work can have, in accordance with the various numerous application methods and the possible research questions being dealt with, a wide thematic span. This can, for example, be:

- collaborating on a current research project of the area of study / the discipline
- a written paper on a self-chosen topic in accordance with scientific standards
- getting involved with and participating in an academic conference and producing a written conference report, essay, undertaking preparation work and helping to organize etc.
- applying methodic tools of other neighboring disciplines, e.g. statistical analyses, qualified interviews, current building analyses, sociological field studies etc. of a self-chosen research area or object
- working out basic planning materials such as a room book, building survey and documentation, evaluating statistical data, comparative studies etc.
- working as an expert evaluator, e.g. the evaluation of buildings that currently exist as to the energy consumption, historical preservation or the economic assessment.

The topic that will be worked on is chosen by the students themselves and must be communicated to and agreed with the relevant lecturers. At the start of the semester the students have to produce a short exposé which clearly defines the research topic / question being worked on, the relevance, the goals and the methods of approaching the topic as a whole. In the course of the semester an in-depth working on the topic takes place. Preparing one's Master's thesis includes researching and finding a topic, researching the location and the actual task as well as independently formulating the task that one will work on and the scope of the Master's thesis.

**Module grade calculation**

The module grade is the grade of the other examination requirements.

**Annotation**

Every semester different research seminars, each with a special focal topic (if necessary with an excursion), are on offer. Only one research seminar can be taken. The alternative is producing a free study assignment.

With the selection of a supervising professor for the sub-performance "Preparation of the Master's Thesis", the professor automatically becomes the first examiner for the Master's Thesis.

**Workload**

In-class time: Supervision/presentations/doctoral colloquium 45 h

Self-study components: project 135 h

**Recommendation**

Do take this course in the semester before you start working on your Master's thesis.

## M

**3.38 Module: Selected Topics of Digital Design and Fabrication [M-ARCH-105858]****Responsible:** TT-Prof. Moritz Dörstelmann**Organisation:** KIT Department of Architecture**Part of:** [Specialization \(Compulsory Elective Subject Specialization\)](#) (Usage from 10/1/2021)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each term	1 term	German/English	4	1

Mandatory			
T-ARCH-111791	<a href="#">Special Topics of Digital Design and Fabrication</a>	4 CR	Dörstelmann

**Competence Certificate**

Other examination requirements based on a final presentation.

**Prerequisites**

none

**Competence Goal**

The students:

- have developed basic understanding of digital design and manufacturing processes and recognize their relevance and application opportunities in the design process;
- can utilize explorative prototyping for the development of novel material and construction systems;
- can develop solutions to socially relevant questions relating to material efficiency and circularity in construction through digital fabrication technologies and are able to evaluate these in terms of their construction and design potential in architecture;
- have gained practical experience in digital fabrication methods and hands-on material exploration;
- are able to use practical material experiments as a tool for design strategies in architecture;
- are able to translate digital fabrication concepts into exploratory prototypes at 1:1 scale;
- can test material-specific and integrated processes for fabrication and assembly through prototypical iterations, and conceptualize full-scale applications for construction.

**Content**

Prototypes for circular constructions methods are developed through the experimental investigation of novel material systems and digital fabrication processes at the intersections of research and teaching

**Module grade calculation**

The module grade is the grade of the other examination requirement.

**Workload**

Class attendance: Lectures, tutorials 60 h

Independent study: preparing/follow-up work, exam preparation, project work 60h

## M

**3.39 Module: Spatial Theory [M-ARCH-103629]****Responsible:** Prof. Marc Frohn**Organisation:** KIT Department of Architecture**Part of:** [Architectural Core Competences from 01.04.2022 \(Compulsory Elective Subject "Designing, History, Art and Theory"\)](#)  
[Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each summer term	1 term	German/English	4	1

Mandatory			
T-ARCH-107371	<a href="#">Spatial Theory</a>	4 CR	Frohn

**Competence Certificate**

Other examination requirement which is undertaken in a format dependent upon the posted topic, e.g. in the form of an oral presentation, composition, plans or models.

**Prerequisites**

None

**Competence Goal**

The students:

- can avail of a well-founded vocabulary of the relevant terms within design practice and theory.
- can work out, analyze and reflect on architectural spaces within a social, cultural and technological context.
- are able to consequently thematize their work methodology based on the manifold and partially contradictory influencing factors such as context, function, imagery etc. within the framework of a structured work process.
- are able to select and apply the fitting tools for the respective steps in their work process.

**Content**

The topic that is to be worked on is communicated to the students at the start of every respective semester and is worked on in-depth during the course of the semester. The content-related focus is on dealing with the topic of architectural spaces. Approaching this subject occurs through the teaching and analysis of the most important vocabulary, relevant reference projects, various different design approaches and/or design processes. These are placed into a cultural, social as well as technological context and are made into a topic.

**Module grade calculation**

The module grade is the grade of the other examination requirements.

**Workload**

In-class time: Seminar 30 h

Self-study: Preparation/follow-up, written paper/project 90 h

## M

**3.40 Module: Special Topics in Building Studies and Design [M-ARCH-104075]****Responsible:** Prof. Meinrad Morger**Organisation:** KIT Department of Architecture**Part of:** [Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Irregular	1 term	German/English	4	1

Mandatory			
T-ARCH-108455	<a href="#">Special Topics in Building Studies and Design</a>	4 CR	Morger

**Competence Certificate**

The other type of examination consists of an exercise, model or picture, as well as model-based construction tasks during the semester.

**Prerequisites**

None

**Competence Goal**

The students:

- know in-depth topics from the areas of building theory (structure, typology and space).
- are able to grasp complex architectural contexts on the basis of scientific studies.
- are able to prepare the processes, findings and content-related results in a comprehensible manner and present them in a professional manner.

**Content**

The topic is an in-depth examination of the different types of buildings in architecture. Research, analyses and exercises are used to scientifically examine and work on the thematic content. The focus is on a holistic approach to architecture. Content and results are documented with text, drawings, plans, pictures and/or models.

**Module grade calculation**

Module grade is the grade of the other type of examination.

**Workload**

Attendance time: Seminar 30 h

Self-study: preparation/follow-up, homework/project work 90 h

## M

**3.41 Module: Special Topics in Spatial Theory [M-ARCH-104074]****Responsible:** Prof. Marc Frohn**Organisation:** KIT Department of Architecture**Part of:** [Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Irregular	1 term	German/English	4	1

Mandatory			
T-ARCH-108453	<a href="#">Special Topics in Spatial Theory</a>	4 CR	Frohn

**Competence Certificate**

The other type of examination is carried out in a format depending on the topic, e.g. in the form of a presentation, elaboration, plans or models.

**Prerequisites**

None

**Competence Goal**

The students:

- have a well-founded vocabulary of the key terms used in design practice and theory.
- are able to develop, analyze and reflect on architectural space in a societal, social, cultural and technological context.
- are able to consistently address their working methodology based on multi-layered and sometimes contradictory influencing factors such as context, function, imagery, etc. within the framework of a structured working process.
- are able to select and apply the appropriate tools for the respective steps in the work process.

**Content**

The work topic is communicated to the students at the beginning of each semester and developed in depth over the course of the semester. The focus of the content is on dealing with the topic of architectural space. The approach is based on the presentation and analysis of the essential linguistic vocabulary, relevant reference projects, different design approaches and/or design processes. These are to be located and thematized in a cultural, social and technological context.

**Module grade calculation**

Module grade is the grade of the other type of examination.

**Workload**

Attendance time: Seminar 30 h

Self-study: preparation/follow-up, homework/project work 90 h

## M

**3.42 Module: Special Topics of Art History 1 [M-ARCH-103672]**

**Responsible:** Studiendekan/in Kunstgeschichte  
**Organisation:** KIT Department of Architecture  
**Part of:** [Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each term	1 term	German/English	4	1

Mandatory			
T-ARCH-107413	<a href="#">Special Topics of Art History 1</a>	4 CR	Kunstgeschichte

**Competence Certificate**

The other type of examination consists of an oral performance (qualified discussion contributions, presentation or oral examination lasting approximately 15 minutes) and a written paper of approximately 20 pages.

**Prerequisites**

None

**Competence Goal**

The students:

- are able to deal with a selected art historical topic in an appropriate scientific manner, to develop an independent research question and to present their work results in a presentation and discussion as well as a subsequent written elaboration.

**Content**

Basic knowledge of a selected topic in medieval, early modern or modern art history is taught and acquired.

**Module grade calculation**

Module grade is the grade of the other type of examination.

**Workload**

Attendance time: Seminar 30 h

Self-study: preparation/follow-up, homework/project work 90 h

## M

**3.43 Module: Special Topics of Art History 2 [M-ARCH-103673]**

**Responsible:** Studiendekan/in Kunstgeschichte  
**Organisation:** KIT Department of Architecture  
**Part of:** [Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each term	1 term	German/English	4	1

Mandatory			
T-ARCH-107414	<a href="#">Special Topics of Art History 2</a>	4 CR	Kunstgeschichte

**Competence Certificate**

The other type of examination consists of an oral performance (qualified discussion contributions, presentation or oral examination lasting approximately 15 minutes) and a written paper of approximately 20 pages.

**Prerequisites**

Successful completion of the module "Special Areas of Art History 1".

**Modeled Conditions**

The following conditions have to be fulfilled:

1. The module [M-ARCH-103672 - Special Topics of Art History 1](#) must have been passed.

**Competence Goal**

The students:

- are able to deal with a selected art historical topic in an appropriate scientific manner, to develop an independent research question and to present their work results in a presentation and discussion as well as a subsequent written elaboration.

**Content**

Basic knowledge of a selected topic in medieval, early modern or modern art history is taught and acquired.

**Module grade calculation**

Module grade is the grade of the other type of examination.

**Workload**

Attendance time: Seminar 30 h

Self-study: preparation/follow-up, homework/project work 90 h

## M

**3.44 Module: Special Topics of Building Lifecycle Management 1 [M-ARCH-103654]**

**Responsible:** Prof. Dr.-Ing. Petra von Both  
**Organisation:** KIT Department of Architecture  
**Part of:** [Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each term	1 term	German/English	4	1

Mandatory			
T-ARCH-107397	<a href="#">Special Topics of Building Lifecycle Management 1</a>	4 CR	von Both

**Competence Certificate**

The other type of examination consists of the preparation of a written/drawing elaboration or modeling of approx. 10-15 pages. There is also a 15-minute presentation and discussion of the results.

**Prerequisites**

None

**Competence Goal**

The students:

- know selected technical contents, methods, tools or technologies of Building Lifecycle Management.
- can confidently handle and apply specific knowledge, methods and tools on selected topics of Building Lifecycle Management.
- understand the application and usage context of the content and/or tools taught.

**Content**

This course delves into various aspects of building lifecycle management and refers to current trends and requirements. In this module, students are taught methodological and/or technical knowledge on selected current topics of Building Lifecycle Management.

**Workload**

Attendance time: Seminar 45 h

Self-study: preparation/follow-up, project work 75 h

**Recommendation**

Knowledge of the basics of Building Information Modeling and planning methodology is helpful.

## M

**3.45 Module: Special Topics of Building Lifecycle Management 2 [M-ARCH-103655]**

**Responsible:** Prof. Dr.-Ing. Petra von Both  
**Organisation:** KIT Department of Architecture  
**Part of:** [Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each term	1 term	German/English	4	1

Mandatory			
T-ARCH-107398	<a href="#">Special Topics of Building Lifecycle Management 2</a>	4 CR	von Both

**Competence Certificate**

The other type of examination consists of the preparation of a written/drawing elaboration or modeling of approx. 10-15 pages. There is also a 15-minute presentation and discussion of the results.

**Prerequisites**

Successful completion of the module "Special areas of Building Lifecycle Management 1".

**Modeled Conditions**

The following conditions have to be fulfilled:

1. The module [M-ARCH-103654 - Special Topics of Building Lifecycle Management 1](#) must have been passed.

**Competence Goal**

The students:

- know selected technical contents, methods, tools or technologies of Building Lifecycle Management.
- can confidently handle and apply specific knowledge, methods and tools on selected topics of Building Lifecycle Management.
- understand the application and usage context of the content and/or tools taught.

**Content**

This course builds on the content of the module "Special areas of BLM 1". It delves into different aspects of Building Lifecycle Management and refers to current trends and requirements. In this module, students are taught methodological and/or technical knowledge on selected current topics of Building Lifecycle Management.

**Workload**

Attendance time: Seminar 45 h

Self-study: preparation/follow-up, project work 75 h

**Recommendation**

Knowledge of the basics of Building Information Modeling and planning methodology is helpful.

## M

**3.46 Module: Special Topics of Building Physics [M-ARCH-105680]****Responsible:** Prof. Andreas Wagner**Organisation:** KIT Department of Architecture**Part of:** [Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each term	2 terms	German/English	4	1

Special Topics of Building Physics (Election: 2 items)			
T-ARCH-111337	<a href="#">Indoor Lighting Technology and Concepts</a>	2 CR	Wagner
T-ARCH-111340	<a href="#">Sound Insulation and Acoustics</a>	2 CR	Wagner
T-ARCH-111339	<a href="#">Fire Protection in Planning and Building</a>	2 CR	Wagner
T-ARCH-111338	<a href="#">Energy and Indoor Climate Concepts</a>	2 CR	Wagner

**Competence Certificate**

Two oral exams of 25 minutes each on the contents of selected courses.

**Prerequisites**

none

**Competence Goal****Indoor Lighting Technology and Concepts:**

The students:

- understand the relationship between the characteristics of various different light sources and human perception of these as well as health aspects. From this they can deduce the requirements needed for a lighting concept for certain building usages.
- know the relevant design concepts, strategies and technologies for lighting and illumination of interior and exterior areas and can explain the physical respective technical background to these.
- are familiar with the most important parameters and features for the assessment of lighting concepts for different types of buildings.
- can identify approaches of how to realize the lighting and illumination-relevant requirements within the design whilst taking into account the learned concepts, strategies and technologies.

**Sound Insulation and Acoustics:**

The students:

- know the relevant design and construction principles, materials and technologies needed in order to fulfill sound insulation and soundproofing requirements and can explain the physical respective background to this. The same is valid for the basics of spatial acoustics.
- are familiar with the most important parameters and stipulations for the sound insulation of various different building types; they can recognize possible sources of sound respectively noise and based on this they can deduce requirements regarding the sound insulation when it comes to different types of buildings and their usage.
- can identify approaches of how to realize the technical sound insulation and sound proofing requirements in both the design and building construction phases as well as being able to realize this with technical systems by taking into account the measures learned during the course.

**Fire Protection in Planning and Building:**

The students:

- know the relevant design and construction principles, materials and technologies for the fulfillment of fire protection regulations and can explain the physical respectively the technical background to these.
- recognize possible causes for sources and the spread of fires and can deduce from these requirements for fire protection for various different building usages. They are familiar with the most important parameters and stipulations for fire protection for different building types.
- can identify approaches of how to realize the technical fire protection requirements in both the design and building construction phases as well as being able to realize this with technical systems by taking into account the measures learned during the course.

**Basics of Planning Energy-Efficient Buildings:**

The students:

- know the various different concepts and technologies of energy-efficient building as well as their parameters and are able to understand what influence they have and what their effects are on the performance of a building.
- from this can deduce relationships between the design of buildings and the construction of building components as well as being able to recognize integral approaches for target fulfillment.
- are able to assess energy-efficient building concepts and are able to classify these within the context of the existing building stock.

**Content**

This module teaches students an overview of the four important areas of building physics:

The lecture **Indoor Lighting Technology and Concepts** deals with physical and physiological basics, questions of perception, basic lighting technology terminology, daylight usage, sources of artificial light and lighting control systems as well as calculation and simulation processes.

The lecture **Fire Protection in Planning and Building** deals with building material and component characteristics as well as their technical fire protection classification, systems of fire detection technology, sprinkler systems and smoke/heat extraction, smoke and fire compartments, emergency exits as well as fire protection concepts.

The lecture **Energy and Indoor Climate Concepts** deals with concepts and technologies regarding the topics thermal insulation, solar buildings, passive cooling as well as energy power supply based on renewable energies.

In all four lectures, in addition to the teachings of the basics based on practical examples, extensive constructive and design-based aspects related to the various different topics are discussed. Excursions supplement the respective courses on offer.

**Module grade calculation**

The module grade is the grade of the oral exams.

**Annotation**

With a mandatory excursion.

**Workload**

Class attendance: Lectures, tutorials 60 h

Independent study: preparing/follow-up work, exam preparation, project work 60 h

## M

**3.47 Module: Special Topics of Building Technology [M-ARCH-103661]****Responsible:** Prof. Dr.-Ing. Rosemarie Wagner**Organisation:** KIT Department of Architecture**Part of:** [Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each term	1 term	German/English	4	1

Mandatory			
T-ARCH-107404	<a href="#">Special Topics of Building Technology</a>	4 CR	Wagner

**Prerequisites**

None

## M

**3.48 Module: Special Topics of Building Technology [M-ARCH-103652]**

**Responsible:** TT-Prof. Moritz Dörstelmann  
 Prof.Dipl.-Ing. Dirk Hebel  
 TT-Prof. Florian Kaiser  
 Prof. Andrea Klinge  
 Prof. Dr.-Ing. Riccardo La Magna  
 Prof. Dr.-Ing. Peter Schossig  
 Prof. Dr.-Ing. Petra von Both  
 Prof. Andreas Wagner  
 Prof. Dr.-Ing. Rosemarie Wagner  
 Prof. Ludwig Wappner

**Organisation:** KIT Department of Architecture

**Part of:** [Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Irregular	1 term	German/English	4	1

Mandatory			
T-ARCH-107395	<a href="#">Special Topics of Building Technology</a>	4 CR	Dörstelmann, Hebel, Kaiser, Klinge, La Magna, Schossig, von Both, Wagner, Wappner

**Competence Certificate**

The other type of examination consists of seminar papers in written and/or graphic form of a maximum of 20 pages and a presentation or paper of a maximum of 20 minutes.

**Prerequisites**

None

**Competence Goal**

The students:

- have a sound vocabulary of structural engineering and subject-specific terms.
- are able to confidently deal with structural engineering issues in a design context.
- are able to consistently adapt and refine their working methods based on complex and sometimes contradictory influencing factors such as material, function, design, etc. within the framework of a structured work process.
- are able to select and apply the appropriate tools for the respective steps in the work process.

**Content**

The focus of the content is on the structural engineering treatment of a topic. Issues from the fields of building construction, sustainable building, design methodology, structural design, materials science, the history of building technology, building technology, building physics, technical construction or building lifecycle management are dealt with.

**Module grade calculation**

Module grade is the grade of the other type of examination.

**Annotation**

Only one of the courses can be chosen. The individual courses are offered irregularly. The respective course offerings and topics can be found in the course catalog.

**Workload**

Attendance time: Seminar 45 h

Self-study: preparation/follow-up, homework/project work 75 h

## M

**3.49 Module: Special Topics of Communication of Architecture [M-ARCH-103651]**

**Responsible:** Prof. Dr. Riklef Rambow  
**Organisation:** KIT Department of Architecture  
**Part of:** [Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each term	1 term	German/English	4	1

Mandatory			
T-ARCH-107394	<a href="#">Special Topics of Communication of Architecture</a>	4 CR	Rambow

**Competence Certificate**

The other type of examination consists of a presentation of approx. 30 minutes during the course and a written paper of approx. 15 pages.

**Prerequisites**

None

**Competence Goal**

The students:

- are able to identify and analyze communication needs in an important application area of architectural communication, name and define target groups in order to design an effective communication measure on this basis.
- are able to name and select suitable media and instruments.
- are able to research and evaluate the requirements in order to adapt the measure accordingly.
- know the forms of presentation and presentation of communication concepts and can use and design them competently and confidently in order to win potential clients and funding institutions for their project.
- can work in a self-organized, reflective and goal-oriented manner.
- have the competence to organize themselves in a team, to define and distribute subtasks, to recognize the different skills of team members and to use them in a targeted manner in order to achieve the best joint result.

**Content**

Based on a selected, central area of application of architectural communication (e.g. architectural exhibitions, mediation institutions, participatory planning procedures, architectural journalism and criticism, architecture in film and television), basic theories, research techniques and scientific procedures for the systematic acquisition of knowledge are presented and practiced. On the basis of a well-founded overview of the current state of problems, contextual conditions and approaches to solutions in the chosen field of practice, participants will develop and elaborate their own conceptual strategy as an example, present it in the seminar and discuss it. Where possible, current, realistic and practice-relevant contexts are chosen. The example will be used to illustrate the social significance of architecture and building culture and the connection between planning processes and results will be discussed.

**Module grade calculation**

Module grade is the grade of the other type of examination.

**Workload**

Attendance time: Seminar 45 h

Self-study: preparation/follow-up, homework/project work 75 h

## M

**3.50 Module: Special Topics of Construction Planning Law [M-ARCH-103688]**

**Responsible:** Dr. Holger Fahl  
**Organisation:** KIT Department of Architecture  
**Part of:** [Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each winter term	1 term	German/English	4	1

Mandatory			
T-ARCH-107436	<a href="#">Special Topics of Construction Planning Law</a>	4 CR	Fahl

**Competence Certificate**

Written examination lasting 90 minutes.

**Prerequisites**

None

**Competence Goal**

The students:

- have in-depth knowledge of the law on contracts for work and services, in particular VOB law, public procurement law and the professional obligations of architects and the resulting liabilities according to the case law of the Federal Court of Justice.

**Content**

The practice-oriented in-depth course is divided into three main parts. Details of the contract according to VOB/B are taught so that architects can fulfill their consulting obligations to the client during construction supervision.

The basics of public procurement law are taught, which the architect involved in a tender for the public sector must know in practice. Furthermore, the central questions of architects' liability according to the case law of the highest courts will be discussed in more detail. If time permits, preparation for and participation in an architects' liability construction trial or proceedings to secure evidence at the regional court will be offered.

**Module grade calculation**

Module grade is the grade of the other type of examination.

**Workload**

Attendance time: Lecture 60 h

Self-study: Preparation/follow-up, exam preparation 60 h

## M

**3.51 Module: Special Topics of Design Theory [M-ARCH-103640]****Responsible:** Prof. Simon Hartmann**Organisation:** KIT Department of Architecture**Part of:** [Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Irregular	1 term	German/English	4	1

Mandatory			
T-ARCH-107384	<a href="#">Special Topics of Design Theory</a>	4 CR	Hartmann

**Competence Certificate**

Other examination requirement which is undertaken in a format dependent upon the posted topic, e.g. in the form of an oral presentation, composition, plans or models.

**Prerequisites**

None

**Competence Goal**

The students:

- can avail of a well-founded vocabulary of the relevant terms within design practice and theory.
- can work out, analyze and reflect on architectural spaces within a social, cultural and technological context.
- are able to consequently thematize their work methodology based on the manifold and partially contradictory influencing factors such as context, function, imagery etc. within the framework of a structured work process.
- are able to select and apply the fitting tools for the respective steps in their work process.

**Content**

The topic that is to be worked on is communicated to the students at the start of every respective semester and is worked on in-depth during the course of the semester. The content-related focus is on dealing with the topic of architectural spaces. Approaching this subject occurs through the teaching and analysis of the most important vocabulary, relevant reference projects, various different design approaches and/or design processes. These are placed into a cultural, social as well as technological context and are made into a topic.

**Module grade calculation**

The module grade is the grade of the other examination requirements.

**Annotation**

Only one of the courses can be chosen. The individual courses are offered irregularly. The respective course offerings and topics can be found in the course catalog.

**Workload**

In-class time: Seminar 30 h

Self-study: Preparation/follow-up, written paper/project 90 h

## M

**3.52 Module: Special Topics of Fine Arts 1 [M-ARCH-103647]**

**Responsible:** Prof. Stephen Craig  
**Organisation:** KIT Department of Architecture  
**Part of:** [Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each term	1 term	German/English	4	1

Mandatory			
T-ARCH-107390	<a href="#">Special Topics of Fine Arts 1</a>	4 CR	Craig

**Competence Certificate**

The other type of examination consists of the submission and presentation of term papers (scope, number and type vary depending on the topic).

**Prerequisites**

None

**Competence Goal**

The students:

- are able to develop a topic conceptually, with the aim of formulating their own thesis and implementing this in a free work.
- have the ability to develop and formulate their own position.
- are able to exchange views on this position and defend it with arguments.
- are able to critically assess and question and draw comparative conclusions.
- know the methods of presentation to the group and can apply them.
- have developed their creative potential and sensitized their perception.

**Content**

This module deals with thematically related, conceptually designed seminars in various forms of expression. It begins with observation, perception and the targeted questioning of what is perceived, the intensive examination of the topic, the basis for the entire design process. The insights gained are analyzed, interpreted and formulated into an individual statement. Once the students have found their theme, their concept, they implement it in a free work. They learn which means and forms are the right ones for their statement.

**Module grade calculation**

Module grade is the grade of the other type of examination.

**Annotation**

Each semester, several courses with different topics are offered in this module. Only one of these courses can be chosen in this module.

**Workload**

Attendance time: Seminar/exercises 60 h

Self-study: Project work 60 h

## M

**3.53 Module: Special Topics of Fine Arts 2 [M-ARCH-103648]****Responsible:** Prof. Stephen Craig**Organisation:** KIT Department of Architecture**Part of:** [Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each term	1 term	German/English	4	1

Mandatory			
T-ARCH-107391	<a href="#">Special Topics of Fine Arts 2</a>	4 CR	Craig

**Competence Certificate**

The other type of examination consists of the submission and presentation of term papers (scope, number and type vary depending on the topic).

**Prerequisites**

Successful completion of the module "Sondergebiete der Bildenden Kunst 1".

**Modeled Conditions**

The following conditions have to be fulfilled:

1. The module [M-ARCH-103647 - Special Topics of Fine Arts 1](#) must have been passed.

**Competence Goal**

The students:

- are able to develop a topic conceptually, with the aim of formulating their own thesis and implementing this in a free work.
- have the ability to quickly develop and formulate their own position.
- are able to exchange views on this position and defend it argumentatively.
- can critically assess and question and draw comparative conclusions.
- know the methods of presentation to the group and can apply them confidently.
- have developed their creative potential and refined and sensitized their perception.

**Content**

This module deals with thematically related, conceptually designed seminars in various forms of expression. At the beginning, observation, perception and the targeted questioning of what is perceived, the intensive examination of the topic forms the basis for the entire design process. The insights gained are analyzed, interpreted and formulated into an individual statement. Once the students have found their theme, their concept, they implement it in a free work. In doing so, they learn which means and forms are the right ones for their statement.

**Module grade calculation**

Module grade is the grade of the other type of examination.

**Workload**

Attendance time: Seminar/exercise 60 h

Self-study: Project work 60 h

## M

**3.54 Module: Special Topics of History of Architecture [M-ARCH-105863]****Responsible:** Prof. Dr.-Ing. Joaquín Medina Warmburg**Organisation:** KIT Department of Architecture**Part of:** [Specialization \(Compulsory Elective Subject Specialization\)](#) (Usage from 10/1/2021)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each term	1 term	German/English	4	1

Mandatory		
T-ARCH-111796	<a href="#">Special Topics of History of Architecture</a>	4 CR

**Competence Certificate**

Other examination requirements consisting of an oral presentation of about 30 minutes as well as the written worked-out paper on this topic. There are certain courses where the examination requirement is project work consisting of a drawing of the given task.

**Prerequisites**

none

**Competence Goal**

The students:

- have deepened their knowledge of the history of architecture and are able put it into practice.
- have expanded methodological competence.
- are able to independence in scientific work.
- have an understanding of the meaning and purpose of scientific standards.
- have skills in the oral, written or graphic presentation of urban history contents.

**Content**

Analysis of selected architectural history case studies in the context of overarching themes.

**Module grade calculation**

The module grade is the grade of the other examination requirements.

**Annotation**

In this module several courses with changing topics are offered every semester.

**Workload**

In-class time: Seminar 30 h

Self-study: Preparation/follow-up, written paper/project 90 h

## M

**3.55 Module: Special Topics of History of Urban Planning [M-ARCH-105861]****Responsible:** Prof. Dr.-Ing. Joaquín Medina Warmburg**Organisation:** KIT Department of Architecture**Part of:** [Specialization \(Compulsory Elective Subject Specialization\)](#) (Usage from 10/1/2021)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each term	1 term	German/English	4	1

Mandatory			
T-ARCH-111794	<a href="#">Special Topics of Urban Planning</a>	4 CR	Medina Warmburg

**Competence Certificate**

Other examination requirements consisting of an oral presentation of about 30 minutes as well as the written worked-out paper on this topic. There are certain courses where the examination requirement is project work consisting of a drawing of the given task.

**Prerequisites**

none

**Competence Goal**

The students:

- have deepened their knowledge of the history of urban development and are able put it into practice.
- have expanded methodological competence.
- are able to independence in scientific work.
- have an understanding of the meaning and purpose of scientific standards.
- have skills in the oral, written or graphic presentation of urban history contents.

**Content**

Analysis of selected urban history case studies within overarching topics.

**Module grade calculation**

The module grade is the grade of the other examination requirements.

**Annotation**

In this module several courses with changing topics are offered every semester.

**Workload**

In-class time: Seminar 30 h

Self-study: Preparation/follow-up, written paper/project 90 h

## M

**3.56 Module: Special Topics of Planning and Constructing [M-ARCH-103653]**

**Responsible:** Prof. Ludwig Wappner  
**Organisation:** KIT Department of Architecture  
**Part of:** [Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each winter term	1 term	German/English	4	1

Mandatory			
T-ARCH-107396	<a href="#">Special Topics of Planning and Constructing</a>	4 CR	Wappner

**Competence Certificate**

The other type of examination consists of seminar papers in written and/or graphic form of a maximum of 20 pages and a presentation or paper of a maximum of 20 minutes.

**Prerequisites**

None

**Competence Goal**

The students:

- know selected methods of design and construction.
- are able to apply these methods in a complex design process with special consideration of materials and technological systems in an architectural, spatial context.

**Content**

Treatment of selected methods of design and construction with special consideration of materials and technological systems in an architectural, spatial context.

**Module grade calculation**

Module grade is the grade of the other type of examination.

**Workload**

Attendance time: Seminar 45 h

Self-study: preparation/follow-up, homework/project work 75 h

## M

**3.57 Module: Special Topics of Structural Design [M-ARCH-103658]**

**Responsible:** Prof. Dr.-Ing. Riccardo La Magna  
**Organisation:** KIT Department of Architecture  
**Part of:** [Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each summer term	1 term	German/English	4	1

Mandatory			
T-ARCH-107401	<a href="#">Special Topics of Structural Design</a>	4 CR	La Magna

**Competence Certificate**

The other type of examination consists of seminar papers in written and / or graphic form of a maximum of 20 pages and a presentation or paper of a maximum of 20 minutes.

**Prerequisites**

None

**Competence Goal**

The students:

- have a sound vocabulary of structural engineering terms.
- are able to grasp complex structures and subdivide them into substructures.
- are able to analyze and implement different topics in structural design.

**Content**

The focus is on the structural engineering treatment of a topic. The topics cover structural design in the broadest sense, and the approach can be carried out in different ways.

**Annotation**

Possibly with excursion.

**Workload**

Attendance time: Seminar 45 h

Self-study: preparation/follow-up, homework/project work 75 h

## M

**3.58 Module: Special Topics of Sustainability [M-ARCH-103687]****Responsible:** Prof.Dipl.-Ing. Dirk Hebel**Organisation:** KIT Department of Architecture**Part of:** [Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each term	1 term	German/English	4	1

Mandatory			
T-ARCH-107435	<a href="#">Special Topics of Sustainability</a>	4 CR	Hebel

**Competence Certificate**

The other type of examination consists of a written elaboration of a topic chosen by the student within the framework of the seminar and after consultation with the examiner.

**Prerequisites**

None

**Competence Goal**

The students:

- understand the influence and impact of the use of degradable and cultivable raw materials in the construction industry
- are able to understand and independently evaluate the complete cycle of a construction product with regard to its sustainability
- are able to apply their knowledge in the complex use and in the research and invention of new, alternative building materials.

**Content**

In the course of industrialization, our construction industry has increasingly focused on mineral, finite material sources that are inevitably running out due to intensive mining. The 21st century is now enabling a paradigm shift: a reorientation from extraction to cultivation and a consistent return of all materials used into the material cycle. This requires the (re)discovery, research and development of alternative building materials and a transfer to their industrial application.

The seminar introduces methods of experimentation and scientific work through lectures. The seminar participants will engage intensively with conventional and innovative materials and systems. The aim of the seminar is to demonstrate the potential and possible applications of alternative building materials within a sustainable, industrial construction industry and to document this in applied and written form.

**Module grade calculation**

Module grade is the grade of the other type of examination.

**Workload**

Attendance time: Seminar/supervision 30 h

Self-study: preparation/follow-up, project work 90 h

## M

**3.59 Module: Special Topics of Theory of Architecture 1 [M-ARCH-103649]**

**Responsible:** Prof. Dr. Anna-Maria Meister  
**Organisation:** KIT Department of Architecture  
**Part of:** [Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each term	1 term	German/English	4	1

Mandatory			
T-ARCH-107392	<a href="#">Special Topics of Theory of Architecture 1</a>	4 CR	Meister

**Competence Certificate**

Other examination requirements consisting of an oral test (qualified discussion contributions, oral presentation or an oral exam lasting for about 15 minutes) and a written paper respectively one's own independent research work whose scope and form is dependent on the respective task assigned.

**Prerequisites**

None

**Competence Goal**

The students

- are able to systematically analyze complex areas of architectural theory and evaluate them in a differentiated manner.
- are able to deal with a given or self-chosen topic in the sense of a "discursive practice" and assess it with regard to current architectural practice.
- know the necessary subject-specific vocabulary and can use it to present their point of view in an interdisciplinary exchange in a differentiated manner and communicate it in a generally understandable way.
- have the ability to work out and interpret the central contents of complex architectural theory texts.
- are able to write an independent text according to the methods of scientific work.
- Their teamwork skills are developed through working in research groups.

**Content**

The module "Special Areas of Architectural Theory 1" deals with sub-areas of architectural theory. The focus is on complex issues relating to the present and future of the built environment. Interdisciplinary references to philosophy, the cultural sciences, the history of science and technology as well as current political and social conditions are central.

**Module grade calculation**

Module grade is the grade of the other type of examination.

**Annotation**

possibly with excursion and/or workshop days

**Workload**

Attendance time: Seminar 60 h

Self-study: preparation/follow-up, term paper 60 h

## M

**3.60 Module: Special Topics of Theory of Architecture 2 [M-ARCH-103650]**

**Responsible:** Prof. Dr. Anna-Maria Meister  
**Organisation:** KIT Department of Architecture  
**Part of:** [Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each term	1 term	German/English	4	1

Mandatory			
T-ARCH-107393	<a href="#">Special Topics of Theory of Architecture 2</a>	4 CR	Meister

**Competence Certificate**

The other type of examination involves active participation in the seminar hours (oral and written discussion contributions and presentations) as well as a course assignment, the scope and form of which depends on the respective task.

**Prerequisites**

Successful completion of the module "Special Areas of Architectural Theory 1".

**Modeled Conditions**

The following conditions have to be fulfilled:

1. The module [M-ARCH-103649 - Special Topics of Theory of Architecture 1](#) must have been passed.

**Competence Goal**

The students

- are able to systematically analyze complex areas of architectural theory and evaluate them in a differentiated manner.
- are able to deal with a given or self-chosen topic in the sense of a "discursive practice" and assess it with regard to current architectural practice.
- know the necessary subject-specific vocabulary and can use it to present their point of view in an interdisciplinary exchange in a differentiated manner and communicate it in a generally understandable way.
- have the ability to work out and interpret the central contents of complex architectural theory texts.
- are able to write an independent text according to the methods of scientific work.
- Their teamwork skills are developed through working in research groups.

**Content**

The module "Special Areas of Architectural Theory 2" deals with sub-areas of architectural theory. The focus is on complex issues relating to the present and future of the built environment. Interdisciplinary references to philosophy, the cultural sciences, the history of science and technology as well as current political and social conditions are central.

**Module grade calculation**

Module grade is the grade of the other type of examination.

**Annotation**

possibly with excursion and/or workshop days

**Workload**

Attendance time: Seminar/exercise 60 h

Self-study: Project work 60 h

## M

**3.61 Module: Special Topics of Urban Design [M-ARCH-103668]**

**Responsible:** Prof. Henri Bava  
 Prof. Dr.-Ing. Barbara Engel  
 Prof. Christian Inderbitzin  
 Prof. Markus Neppl

**Organisation:** KIT Department of Architecture

**Part of:** Specialization (Compulsory Elective Subject Specialization)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each term	1 term	German/English	4	1

Mandatory			
T-ARCH-107409	Special Topics of Urban Design	4 CR	Bava, Engel, Inderbitzin, Neppl

**Competence Certificate**

The other type of examination consists of seminar papers in written and/or graphic form of a maximum of 20 pages and a presentation or paper of a maximum of 20 minutes.

**Prerequisites**

None

**Competence Goal**

The students:

- have a sound vocabulary of urban planning and subject-specific terms.
- are able to consistently adapt their working methods based on complex and sometimes contradictory influencing factors such as housing trends, mobility, climate, resources, social processes, etc. as part of a structured work process.
- have basic knowledge of scientific work and are able to develop their own positions on the topic. They can present this specialist knowledge in a suitable form.

**Content**

The content of the module is the examination of the various historical, social, technical, structural, traffic, urban or housing policy or open space aspects of an urban space or an urban region.

**Module grade calculation**

Module grade is the grade of the other type of examination.

**Annotation**

The individual courses are offered on an irregular basis. The respective offer and topics can be found in the course catalog. Possibly with compulsory excursion.

**Workload**

Attendance time: Seminar/exercise 60 h

Self-study: Preparation/follow-up, homework/project work 60 h

## M

**3.62 Module: Special Topics of Urban Design - Workshop [M-ARCH-103974]**

**Responsible:** Prof. Henri Bava  
Prof. Dr.-Ing. Barbara Engel  
Prof. Markus Neppl

**Organisation:** KIT Department of Architecture

**Part of:** Specialization (Compulsory Elective Subject Specialization)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Irregular	1 term	German/English	4	1

Mandatory			
T-ARCH-108190	Special Topics of Urban Design	4 CR	Bava, Engel, Neppl

**Competence Certificate**

Examination of a different kind consisting of work in the form of drawings, models, texts and their presentation. The duration of the presentation is a maximum of 20 minutes per work.

**Prerequisites**

none

**Competence Goal**

The students:

- are able to analyze, structure and describe and critically assess complex urban planning problems in text and images/drawings as part of an excursion or a workshop lasting several days.
- are able to independently develop integrative solution-oriented concepts and ideas.

**Content**

The content of the module is the examination of the various historical, social, technical, structural, traffic, urban or housing policy or open space aspects of an urban space or an urban region as part of a workshop, a summer university or an excursion, for example.

**Module grade calculation**

Module grade is the grade of the other type of examination.

**Annotation**

The individual courses are offered on an irregular basis. The respective offerings and topics can be found in the course catalog.

With compulsory excursion.

**Workload**

Attendance time: seminar/workshop/excursion 90 h

Self-study: Preparation/follow-up, project work 30 h

## M

**3.63 Module: Special Topics of Urban Design 2 [M-ARCH-105859]**

**Responsible:** Prof. Henri Bava  
Prof. Dr.-Ing. Barbara Engel  
Prof. Christian Inderbitzin  
Prof. Markus Neppl

**Organisation:** KIT Department of Architecture

**Part of:** **Specialization (Compulsory Elective Subject Specialization)** (Usage from 10/1/2021)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each term	1 term	German/English	4	1

Mandatory			
T-ARCH-111792	<b>Special Topics of Urban Design 2</b>	4 CR	Bava, Engel, Inderbitzin, Neppl

**Competence Certificate**

The other type of examination consists of seminar papers in written and/or graphic form of a maximum of 20 pages and a presentation or paper of a maximum of 20 minutes.

**Prerequisites**

None

**Competence Goal**

The students:

- have a sound vocabulary of urban planning and subject-specific terms.
- are able to consistently adapt their working methods based on complex and sometimes contradictory influencing factors such as housing trends, mobility, climate, resources, social processes, etc. as part of a structured work process.
- have basic knowledge of scientific work and are able to develop their own positions on the topic. They can present this specialist knowledge in a suitable form.

**Content**

The content of the module is the examination of the various historical, social, technical, structural, traffic, urban or housing policy or open space aspects of an urban space or an urban region.

**Module grade calculation**

Module grade is the grade of the other type of examination.

**Annotation**

The individual courses are offered on an irregular basis. The respective offer and topics can be found in the course catalog. Possibly with compulsory excursion.

**Workload**

Attendance time: Seminar/exercise 60 h

Self-study: Preparation/follow-up, homework/project work 60 h

## M

**3.64 Module: Structural Analysis [M-ARCH-106128]****Responsible:** Dr. Anette Busse**Organisation:** KIT Department of Architecture**Part of:** [Specialization \(Compulsory Elective Subject Specialization\)](#) (Usage from 10/1/2022)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each term	1 term	German/English	4	1

Mandatory			
T-ARCH-112499	<a href="#">Structural Analysis</a>	4 CR	Busse

**Competence Certificate**

Other examination requirements consisting of a term paper including a written and drawn component in accordance with the layout specifications, 10-15 pages DIN A 4.

**Prerequisites**

None

**Competence Goal**

The students:

- can undertake research on a project of their choice.
- are able to work on and evaluate secondary sources and, if necessary, primary sources.
- have the ability of analyzing a built project, can understand, describe and give reasons for how they undertook the design draft process as well as the constructive-static realization and materialization.
- can comprehensively assess and categorize projects with a view to architectural concepts, realization and constructive implementation.

**Content**

The module enables the participants to intensively deal with a realized project, which is selected in coordination. After intensive research and analysis, the design (historical, if applicable), the construction and the materials used are traced in drawings as well as named, analyzed and classified. The results are summarized in a documentation with illustrations and text. The connection between the design idea and the material, constructive-static implementation is presented and, if necessary, its historical development is traced.

**Module grade calculation**

The module grade is the grade of the other examination requirements.

**Workload**

In-class time: Supervision 5 h

Self-study: Project work 115 h

## M

**3.65 Module: Sustainability [M-ARCH-104078]**

**Responsible:** Prof.Dipl.-Ing. Dirk Hebel  
**Organisation:** KIT Department of Architecture  
**Part of:** [Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each summer term	1 term	German/English	4	1

Mandatory			
T-ARCH-108458	<a href="#">Sustainability</a>	4 CR	Hebel

**Competence Certificate**

Other examination requirements consisting of a written composition of a self-chosen topic within the framework of the seminar and in coordination with the examiner.

**Prerequisites**

None

**Competence Goal**

The students:

- understand the influence and effects of using extracted, extended and replantable resources within the construction industry.
- are able to understand the full lifecycle of a building product with regard to its sustainability and can assess it independently.
- are enabled to also apply their knowledge regarding the complex usage as well as research into and invention of new types of alternative building materials.

**Content**

In the wake of industrialization our construction industry has focused more and more on mineral-related, finite material sources that are invariably coming to an end due to the intensive extraction of these. The 21st century is now allowing a paradigm change to take place: A reorientation from extraction to extension as well as a full re-usage of our material resources. This requires the (re)discovery, research and development of alternative building materials and a transition in their industrial application. In the seminar the methods of experimentation and working scientifically are introduced through lectures. The seminar participants deal intensively with both conventional and new types of materials and systems. The aim of the seminar is to highlight the potential and application possibilities of such alternative building materials within a sustainable, industrialized construction industry and to document this in an applied manner and written form.

**Module grade calculation**

The module grade is the grade of the other examination requirements.

**Workload**

In-class time: Seminar 30 h

Self-study: Preparation/follow-up, written paper/project 90 h

## M

**3.66 Module: Theory of Architecture [M-ARCH-103625]****Responsible:** Prof. Dr. Anna-Maria Meister**Organisation:** KIT Department of Architecture**Part of:** [Architectural Core Competences from 01.04.2022 \(Compulsory Elective Subject "Designing, History, Art and Theory"\)](#)  
[Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each term	1 term	German/English	4	1

Mandatory			
T-ARCH-107367	<a href="#">Theory of Architecture</a>	4 CR	Meister

**Competence Certificate**

Other examination requirements consisting of the active participation in class (oral and written discussion contributions as well as oral presentations) as well as a study assignment whose scope and form depends on the respective task set.

**Prerequisites**

None

**Competence Goal**

The students:

- are able to systematically analyze complex branches of architectural theory and to evaluate these in a differentiated manner.
- are able to deal with an assigned or self-chosen topic in the sense of "discursive practice" and to be able to assess it with a view to current architectural practice.
- know the applicable necessary subject-specific terminology and, with the aid of this, they can represent their point of view and communicate this understandably for all in an interdisciplinary exchange.
- are able to work out the key contents of complex architectural texts and interpret these.
- can produce texts independently in accordance with the methods of working scientifically.

By working in research groups their team capabilities have been honed.

**Content**

In the module "Theory of Architecture" branches of architectural theory are dealt with. The focus in the foreground here are complex enquiries regarding the present and the future of built-up environments. Interdisciplinary references to philosophy, cultural studies, the history of science and technology as well as to current political and social conditions are a key focus.

**Module grade calculation**

The module grade is the grade of the other examination requirements.

**Annotation**

If necessary with an excursion and/or workshop days.

**Workload**

In-class time: Seminar 60 h

Self-study: Preparation/follow-up, written paper 60 h

## M

**3.67 Module: Timber Structures: Materials and Appropriate Design [M-ARCH-106916]****Responsible:** Prof. Dr.-Ing. Riccardo La Magna**Organisation:** KIT Department of Architecture**Part of:** [Specialization \(Compulsory Elective Subject Specialization\)](#) (Usage from 10/1/2024)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each summer term	1 term	German	4	1

Mandatory			
T-ARCH-113853	<a href="#">Timber Structures: Materials and Appropriate Design</a>	4 CR	La Magna

**Competence Certificate**

Oral examination lasting approx. 30 minutes

**Competence Goal**

The students:

- are able to use the building material wood and its derived products in the construction industry in a material-appropriate manner and are aware of possible problems caused by the hygroscopic, anisotropic, heterogeneous and biological properties of wood.
- have developed methods to deal with the scattering properties of wood in construction practice. have trained their questioning and critical thinking skills with regard to well-executed, robust and reliable timber construction details.
- can analyze and evaluate the material-specific quality of construction details based on their understanding of the material. They can name typical load-bearing structures for building construction and the construction and connecting elements required for their manufacture.
- can describe the load-bearing effect of structures and their individual elements
- can identify the advantages and disadvantages of structures and are able to work out design alternatives under given boundary conditions, evaluate them and decide on sensible design and construction solutions on this basis.
- are able to describe the most important damage scenarios and their causes.
- are able to prevent damage through creativity, care and multi-layered networked thinking when designing and calculating load-bearing structures and thus design reliable and durable structures.

**Content**

- Wood anatomy, wood characteristics, physics of wood and durability
- Wood drying and strength grading
- Solid wood, glued laminated timber, cross laminated timber, wood-based panels, innovative wood products
- Classification of damage independent of building material
- Damage and causes specific to timber construction
- Consequences and recommendations for material-compatible timber constructions

**Module grade calculation**

The module grade is the grade of the oral examination.

**Workload**

Contact hours (1 SWS = 1 hour x 15 weeks):

- Building materials in timber construction Lecture/exercise: 30 hrs.
- Material-appropriate constructions in timber construction Lecture/exercise: 30 hrs.

Self-study:

- Preparation and follow-up of lecture/exercises: Building materials in timber construction: 15 hrs.
- Preparation and follow-up work for lecture/exercises on materials for timber construction: 15 hours
- Exam preparation: 30 hours

Total: 120 hours

## M

**3.68 Module: Urban Design and Housing [M-ARCH-105563]****Responsible:** Prof. Christian Inderbitzin**Organisation:** KIT Department of Architecture**Part of:** [Architectural Core Competences from 01.04.2022 \(Compulsory Elective Subject "Urban- and Landscape Planning"\)](#)  
[Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each term	1 term	German/English	4	1

Mandatory			
T-ARCH-111167	<a href="#">Urban Design and Housing</a>	4 CR	Inderbitzin

**Competence Certificate**

The other type of examination consists of seminar papers in written and/or graphic form of a maximum of 20 pages and a presentation or paper of a maximum of 20 minutes.

**Prerequisites**

none

**Competence Goal**

The students:

- have a sound vocabulary of urban planning and subject-specific terms.
- are able to consistently adapt their working methods based on complex and sometimes contradictory influencing factors within the framework of a structured work process.
- have basic knowledge of scientific work and are able to develop their own positions on the topic. They can present this specialist knowledge in a suitable form.

**Content**

The content of the module is the examination of historical and contemporary questions about the city and living. Different levels of scale and phenomena in connection with the city and housing are addressed. Social and cultural aspects as well as economic factors are addressed as well as architectural and spatial issues.

**Module grade calculation**

Module grade is the grade of the other type of examination.

**Workload**

Attendance time: Seminar/exercise 60 h

Self-study: Preparation/follow-up, homework/project work 60 h

## M

**3.69 Module: Urban Design Project [M-ARCH-105671]**

**Responsible:** Studiendekan/in Architektur  
**Organisation:** KIT Department of Architecture  
**Part of:** [Designing](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
14	Grade to a tenth	Each term	1 term	German/English	4	1

Mandatory			
T-ARCH-107343	<a href="#">Design Project Urban Planning 1</a>	12 CR	Architektur
T-ARCH-111328	<a href="#">Urban Design Specialization</a>	2 CR	Architektur

**Competence Certificate**

Other examination requirements consisting of two parts:

1. An urban design project that is produced during the semester. Working on the design task is done, as a rule, individually; there are regular supervisions resp. corrections that take place. The progress monitoring occurs during the study course within the framework of one or more intermediate presentations as well as a final presentation. Here the produced results are portrayed and assessed in the form of drawings, models, texts and talks. The duration of the presentation is approx. 20 minutes per project.
2. Performance during the semester for theoretical or practical consolidation of the design topic, as a rule, of a project work with drawings whose scope depends on the respective task assigned or of an oral talk of approx. 15 minutes duration and a written paper on it encompassing approx. 20 pages or an equivalent assessment which has to be coordinated with the examiner.

**Prerequisites**

none

**Competence Goal**

The students:

- can analyze and understand situations and tasks assigned that involve a high complexity level within an urban context.
- are able to transfer the urban draft design concept consequently into an urban design project within the framework of a structured design process based on multifaceted parameters such as context, program, formal and spatial effects etc. Thereby they have the ability of being able to include manifold criteria from urban planning, ecology and economics as well as taking into account the socio-cultural and historic contexts.
- can continuously develop and sharpen the original concept as a progressive draft design, during this process they can work out variants and are able to compare and assess these.
- can draw in a design-sure manner from the pool of various different urban design drafting and planning strategies that they have amassed during their studies; they can properly apply, modify and continuously develop these for their own design project.
- are able to, based on the task given, select the necessary degree of detail as well as the fitting presentation and visualization technique, work these out and to thereby develop an individualized, concise and understandable language for the urban design presentation as a drawing, an image and a model.
- are able to choose a suitable specialization based on their design project.
- know the methods and tools that correspond with the specialization area.
- develop their own individual profile within the framework of the study course Architecture through the selection of the specialization design project. They learn about the methods, requirements and ways of thinking of the various different disciplines and are able to apply these.
- are able to work independently and in a set time period on a problem from the discipline that they have chosen regarding their design specialization project according to scientific, design-related, constructive-technical, theoretic-historical, urban planning, organizational and drafting process methods that they have acquired during their studies.

**Content**

Based on the learned basics of the Bachelor's program, in the module "Urban Design Project" further knowledge on urban planning design based on changing highly complex design projects is imparted. The tasks being worked on require dealing critically with the corresponding urban planning or landscape-related context. The applied methods encompass the analysis of spatial and thematic contexts, the development of an urban planning design concept based on various different scale levels whilst taking into account the spatial, functional and constructive structure in dependence of the materialization, theme and typology. The communication of the results includes the choice of the fitting presentation technique going from the conceptual draft to plans all the way to analog or digitally generated models. The independent detailed working on of the supervised design project includes applying the knowledge and competencies that come from all areas of architectural studies.

The urban design specialization is always an accompanying course to an urban design project and can be, depending on the respective task, taken with the examiner of the design or with another examiner. In various different course formats (workshops, seminars, lectures, tutorials) knowledge, methods, strategies and (digital) design tools are taught which are based on the respective design topics.

**Module grade calculation**

The module grade is the grade of the other examination requirements.

**Annotation**

With a mandatory excursion.

Design project and design specialization must be connected in terms of content and completed in the same semester.

**Workload**

In-class time: Supervision/presentations 90 h

Self-study components: Development of an architectural design and design specialization 330 h

## M

**3.70 Module: Urban Energy [M-ARCH-103669]**

**Responsible:** Prof. Markus Neppl  
**Organisation:** KIT Department of Architecture  
**Part of:** [Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each winter term	1 term	German/English	4	1

Mandatory			
T-ARCH-107410	<a href="#">Urban Energy</a>	4 CR	Neppl

**Competence Certificate**

The other type of examination consists of an analysis paper of approx. 20 pages and an oral presentation (approx. 15 minutes).

**Prerequisites**

None

**Competence Goal**

The students.

- are able to organize their work processes in terms of time and content and present the results of their work appropriately within the team.
- understand the city and its infrastructure on a global and local level.
- can conduct structured interviews with experts, evaluate the content and incorporate it into their analysis work.
- are able to investigate and evaluate concrete application possibilities for the use of renewable energy in small-scale projects.

**Content**

Global level: Students should get to know the city and its infrastructure on a global scale.

Local level: The energy and supply system of the city of Karlsruhe is presented. This includes site visits and interviews with city actors from the utility industry.

Application exercise: Possible applications for the use of renewable energy in Karlsruhe will be investigated on a small scale.

**Module grade calculation**

Module grade is the grade of the other type of examination.

**Workload**

Attendance time: Seminar 30 h

Self-study: preparation/follow-up, homework/project work 90 h

## M

**3.71 Module: Urban Typologies [M-ARCH-103632]****Responsible:** Prof. Markus Nepl**Organisation:** KIT Department of Architecture**Part of:** [Architectural Core Competences from 01.04.2022 \(Compulsory Elective Subject "Urban- and Landscape Planning"\)](#)  
[Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each summer term	1 term	German/English	4	1

Mandatory			
T-ARCH-107374	<a href="#">Urban Typologies</a>	4 CR	Neppl

**Competence Certificate**

Other examination requirements consisting of an oral presentation of the work results (duration approx. 15 minutes).

**Prerequisites**

None

**Competence Goal**

The students:

- are capable of organizing their work processes in a timely and content-related manner and are able to present the work results in an appropriate manner within the team.
- are able to analyze various different building development and usage structures as well as different typologies coming from a historical or modern context.
- are able to produce their own individual layouts and floor plans for both residential and office buildings.
- are able to present the analysis results in an oral, written and drawing format.

**Content**

Analysis and systematization of various different building development and usage structures. Analysis of examples of different typologies from a historical and a modern context. In-depth look at the usage foci residential living. Basics of the layouts and floor plans of both residential and office buildings. Teaching development systems for different typologies. Working out an example of a hybrid residential and office building.

**Module grade calculation**

The module grade is the grade of the other examination requirements.

**Workload**

In-class time: Seminar 45 h

Self-study: Preparation/follow-up, written paper/project 75 h

## M

**3.72 Module: Virtual Engineering [M-ARCH-103618]**

**Responsible:** Prof. Dr.-Ing. Petra von Both  
**Organisation:** KIT Department of Architecture  
**Part of:** [Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each summer term	1 term	German/English	4	1

Mandatory			
T-ARCH-107360	<a href="#">Virtual Engineering</a>	4 CR	von Both

**Competence Certificate**

The main focus of the other examination requirement is producing a digital model, its written/drawn composition and the digital documentation. In addition, a 15-minute presentation and a discussion of the results takes place.

**Prerequisites**

None

**Competence Goal**

The students:

- know how to properly use, deal with and implement IT methods and tools in order to create a model-based planning draft as well as being able to reflect on the application of planning and work methods which are based on this.
- know the basic principles of model-based planning and virtual engineering.
- know select tools, technologies and methods of virtual engineering.
- are able to critically assess the methods and technologies taught in the course and apply these for relevant problems.
- understand the principles of setting up virtual models and are capable of implementing these principles with the suitable technical tools.

**Content**

Building Lifecycle Management includes the continuous integration of information and processes that are produced within a building lifecycle. An important fundament for this is an intelligent, virtual building model that in addition to the graphic and geometric description can also display semantic information on the various different discipline-specific aspects and lifecycle phases. In the module "Virtual Engineering" the students are taught methodic and technical knowledge on the topics of model-based planning and virtual design. The theoretical basics and practical aspects of virtual engineering as well as respective select methods and technologies for different processes within the planning process are dealt with.

**Module grade calculation**

The module grade is the grade of the other examination requirements.

**Workload**

In-class time: Seminar 60 h

Self-study: Preparation/follow-up, written paper/project 60 h

**Recommendation**

Knowledge of the basics of building information modeling as well as planning methodology are helpful.

## M

**3.73 Module: Workshop Impromptu Designs [M-ARCH-104079]**

**Responsible:** Studiendekan/in Architektur  
**Organisation:** KIT Department of Architecture  
**Part of:** [Specialization \(Compulsory Elective Subject Specialization\)](#)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each term	1 term	German/English	4	1

Mandatory			
T-ARCH-108459	<a href="#">Workshop Impromptu Designs</a>	4 CR	Architektur

**Competence Certificate**

The other type of examination consists of architectural or urban design work with a limited processing period of approximately three weeks. The design task is completed in individual or group work, with regular supervision and corrections.

Success is assessed during the course of study in one or more interim and final presentations. The results achieved are presented and evaluated in the form of drawings, models, texts and lectures. The presentation lasts approx. 10 minutes per project.

**Prerequisites**

none

**Competence Goal**

The students:

- can independently develop concepts and ideas from what they have already learned and implement them within a limited period of time.
- know methods and strategies for the rapid development of possible solutions and can apply them.
- are familiar with a broad spectrum of creative and organizing principles, develop these and apply them.
- are able to select and develop the necessary level of detail and suitable representation and visualization depending on the task.

**Content**

The workshop deals with medium-sized design tasks. The thematic spectrum ranges from architectural to urban planning tasks.

**Module grade calculation**

Module grade is the grade of the other type of examination.

**Annotation**

possibly with compulsory excursion

**Workload**

Presence time: Presentations 5-30 h

Self-study: design work 90-115 h

## 4 Courses

### T

#### 4.1 Course: Adaptive Reuse [T-ARCH-111341]

**Responsible:** Dr. Anette Busse  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-105681 - Adaptive Reuse](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Irregular	1

Events					
WT 24/25	1741396	<a href="#">Adeptive Reuse _ Redevelopment of Obsolete Typologies</a>	2 SWS	Seminar / 	Busse
ST 2025	1741393	<a href="#">Building in Existing Contexts: Strategies for Dealing with Existing Buildings _ in the Field of Tension between Preservation and Renewal</a>	2 SWS	Seminar / 	Medina Warmburg, Busse

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

#### Prerequisites

none

#### Workload

120 hours

Below you will find excerpts from events related to this course:

### V

#### Adeptive Reuse \_ Redevelopment of Obsolete Typologies

1741396, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

**Seminar (S)  
On-Site**

#### Content

In view of vacant retail space in pedestrian zones and a shrinking number of department stores in city centres, as well as empty retail and storage areas on the outskirts of cities, it is very important to rethink the current development of existing buildings and their function and use in the short and mid term. Where is the development of our cities heading? Which typologies are becoming obsolete and how can we bring them back into use? Where can we accommodate which types of residential use?

In addition to the housing issue, we will also need new, previously underdeveloped, or even undeveloped uses in the future, which should be integrated into the cities of the future - the challenge is to think about these and match them with the possibilities and strengths of obsolete types. This could be a key to the strategy of the circular city.

Examination/submission: Analysis/drawings and presentation of a topic. Multi-part term paper and compilation of key questions for discussion in the seminar.

Number of participants: 12

Focus of study: Architectural and Cultural Heritage

### V

#### Building in Existing Contexts: Strategies for Dealing with Existing Buildings \_ in the Field of Tension between Preservation and Renewal

1741393, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

To consciously shape the competence of transformation in the field of tension between preservation and renewal requires a methodical approach within the different strategies of shaping the building stock, in the determination of interventions and their form. The seminar will deal with these different strategies in terms of definition and structural realisation using examples. We will examine, define and discuss the different strategies, from conservation to reprogramming, interpreting, building on to transformation and reconstruction. The potentials of existing buildings will be analysed with regard to their adaptive determinants and their resilience as a starting point will be examined as a resource for the implementation of alternative functions.

Examination/submission: Analysis, drawings and presentation of a topic Multi-part term paper and compilation of key questions for discussion in the seminar.

Focus of study: Architectural and Cultural Heritage

## T

## 4.2 Course: Art History [T-ARCH-107369]

**Responsible:** Studiendekan/in Kunstgeschichte

**Organisation:** KIT Department of Architecture

**Part of:** [M-ARCH-103627 - Art History](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each term	1

Events					
WT 24/25	1741314	<a href="#">Art History: Titian and his Century - Color of Nature / Nature as Color</a>	2 SWS	Seminar / 	Fiorentini Elsen
WT 24/25	1741318	<a href="#">Art History: Machine Arts of Modernity</a>	2 SWS	Seminar / 	Rottmann
ST 2025	1741314	<a href="#">Art History: Nature in Early Modern Art and Architecture</a>	2 SWS	Seminar / 	Kohut
ST 2025	1741322	<a href="#">Art History: Early Bauhaus</a>	2 SWS	Seminar / 	Kelly
ST 2025	1741324	<a href="#">Art History: White Gold: The Art of Porcelain Wares</a>	2 SWS	Seminar / 	Kelly

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

### Competence Certificate

Other examination requirements consisting of an oral exam (qualified discussion contributions, oral talk or an oral exam of approx. 15 minutes duration) and a written paper encompassing approx. 20 pages.

### Prerequisites

none

Below you will find excerpts from events related to this course:

## V

### Art History: Titian and his Century - Color of Nature / Nature as Color

1741314, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

Seminar (S)  
On-Site

### Content

Under the sign of color, the seminar not only addresses a great personality in art history, but also the competition between art genres in different geographical contexts, their social position, their relationship to art theory, as well as the historical and practical connection of visual concepts in the late Renaissance and Mannerism.

Appointment: Wed 8 - 9:30 am, Bldg. 20.40, R124 FG KG

Submission/Exam: written elaboration, 31.03.2025

Number of Participants: 3

### Organizational issues

Die Teilnahme an der ersten und letzten Seminarsitzung ist verpflichtend!

## V

### Art History: Machine Arts of Modernity

1741318, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

Seminar (S)  
On-Site

**Content**

The usage of Artificial Intelligence (AI) or rather Machine Learning in visual arts is currently debated in many cases. The history of such an AI art goes back to the 1950s. This seminar is dedicated to a prehistory and thus wants to see modernity through the glasses of the machine. It needs to be questioned: In which manner machines found their way into visual arts? Which roles did they play? Which historical, e. g. socio-political contexts and motives existed? We want to develop answers using the example of art movements like Futurism or Bauhaus – to do so we need to acquire concepts of machines and to get an understanding of each relevant art movement, individual oeuvres as well as history of culture and technology. Dealing with machine arts this seminar aims at an enhanced understanding of modernity as well as contemporary AI art. An excursion is contemplated.

Appointment: Wed 9:45-11:15 am, Bldg. 20.40, R124 FG KG

Submission/Exam: written elaboration, 31.03.2025

Number of Participants: 5

**Art History: Nature in Early Modern Art and Architecture**

1741314, SS 2025, 2 SWS, Language: English, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

Why do historical depictions of nature continue to impress viewers in our industrialized world? How does the theological structure of a sixteenth-century Spanish engraving differ from modern perspectives on ecology? In what ways is the concept of the 'other' expressed in eighteenth-century French garden architecture? Was the realistic turn in eighteenth-century American art influenced by the Enlightenment's association of the divine with nature? What is the connection between the depiction of St. Sebastian's body in Ludovico Carracci's painting and the waste processing in seventeenth-century Rome? This course introduces students to the latest developments in English-language ecocritical art history, exploring the complex relationship between art, architecture, and the natural Environment in 1500–1800 CE.

Submission/Exam: written elaboration, 30.09.2025

Number of Participants: 3

**Art History: Early Bauhaus**

1741322, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

The early Bauhaus was expressionistic, nationalistic and spiritual. While today it is associated with cool material aesthetics and New Building, in Weimar, after its foundation in 1919, aesthetic empathy and sensation were considered a premise for all artistic activity. The inner state during the creative process and the respect for the nature of things overshadowed external functional demands.

The seminar focuses on influential personalities from the teaching staff, e.g. Johannes Itten, Paul Klee and Wassily Kandinsky. The Bauhütte idea, progressive educational innovations, such as creative body practices, as well as esoteric tendencies will be examined along with their (political) countermovement.

Submission/Exam: written elaboration, 30.09.2025

Number of Participants: 3

**Art History: White Gold: The Art of Porcelain Wares**

1741324, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

Naturalistic and with a flawless white glaze: the appearance of the figurines from the Allach porcelain manufactory may disguise their questionable manufacturing circumstances, as they originate from the production facility in Dachau concentration camp. The porcelain for Nazi dignitaries from the hands of concentration camp prisoners stands for the art and contemporary history from which it derived.

Starting with the invention of European porcelain in 1709, we will be introduced to various forms and manufactories from the heyday of these luxury goods. Side glances at English and French brands will add to the context of production and reception. New forms regarding new product design will take us to the 20th and 21st centuries. Field trips will complement the seminar.

Submission/Exam: written elaboration, 30.09.2025

Number of Participants: 3

## T

## 4.3 Course: Building and Structure [T-ARCH-112099]

**Responsible:** Prof. Dr.-Ing. Riccardo La Magna  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-105956 - Building and Structure](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each term	1

Events					
WT 24/25	1720759	<a href="#">Building &amp; Structure</a>	2 SWS	Seminar / 	La Magna, Andersson Lagueche, Haußer, Müller
ST 2025	1720759	<a href="#">Building &amp; Structure</a>	2 SWS	Lecture / Practice ( / 	La Magna, Haußer, Andersson Lagueche, Müller

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

**Competence Certificate**

Other examination requirement consisting of the unsupervised structural design of an architectural design project. Working on the structural design of a project occurs individually or in groups during the semester. The final delivery consists of an information document summarising specific structural aspects of the architectural projects, ranging from presentation of plans, choice of building material, idealization of the structural system, description of load-bearing mechanism up to the development of at least one representative constructive detail.

Below you will find excerpts from events related to this course:

## V

**Building & Structure**

1720759, WS 24/25, 2 SWS, Language: German/English, [Open in study portal](#)

**Seminar (S)**  
On-Site

**Content**

The Building & Structure seminar examines the functional and effective modes of structural design in more detail. Therefore, the use and the limitations of materials like timber, steel, concrete and clay will be analysed in detail. In addition, special structures and their load-bearing mechanisms are examined and analysed, which serves to develop and support the designs. As part of the lecture, expert lectures will provide insights into various fields of structural design.

1st meeting: 23.10.2024; 11:30 a.m.

Mandatory meeting!

Rule date: Wednesday 11:30 a.m. – 1:00 p.m.

Delivery/Examination: after announcement

Number of participants: unlimited

**Organizational issues**

Das Kontingent für dieses Seminar ist Unbegrenzt, bitte wenden Sie sich an das Sekretariat

The quota for this seminar is unlimited, please contact the secretariat.

## V

**Building & Structure**

1720759, SS 2025, 2 SWS, Language: German/English, [Open in study portal](#)

**Lecture / Practice (VÜ)**  
On-Site

**Content**

The Building & Structure seminar examines the functional and effective modes of structural design in more detail. Therefore, the use and the limitations of materials like timber, steel, concrete and clay will be analysed in detail. In addition, special structures and their load-bearing mechanisms are examined and analysed, which serves to develop and support the designs. As part of the lecture, expert lectures will provide insights into various fields of structural design.

1st meeting: 23.04.2025; 11:30 a.m.

Mandatory meeting

Rule date: Wednesday 11:30 a.m. – 1:00 p.m.

Bld. 20.40 HS 9

Delivery/Examination: after announcement

## T

**4.4 Course: Building Practise [T-ARCH-108457]**

**Responsible:** Prof. Dr.-Ing. Rosemarie Wagner  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-104077 - Building Practise](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each term	1

Events					
WT 24/25	1720906	<a href="#">Building Techniques: Lightweight structures - Cable nets as source of energy and sink</a>	4 SWS	Seminar / 	Wagner, Sickinger, Ge
WT 24/25	1720907	<a href="#">Building Techniques: Building Workshop Structure - integrated and functional</a>	4 SWS	Seminar / 	Wagner, Sickinger

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

**Competence Certificate**

Other examination requirements consisting of a design draft and the construction of a building shell at large scale and a presentation of it.

**Prerequisites**

none

Below you will find excerpts from events related to this course:

## V

**Building Techniques: Lightweight structures - Cable nets as source of energy and sink**

**Seminar (S)  
On-Site**

1720906, WS 24/25, 4 SWS, Language: German/English, [Open in study portal](#)

**Content**

To what extent can urban spaces be designed with light and transparent structures that fulfil functions such as energy sink [\[GX\(1\)\]](#) and energy source? What are the consequences of abandoning conventional structures? And how can cable net structures be combined with lightweight PV modules? How can the acceptance of these structures be understood, what methods are available for this and for which locations are they suitable?

We want to get involved in an experiment and recreate shading in public spaces.

And since new technologies also bring new rules, we learn in advance how cable nets create spaces, what they can do and what needs to be considered during design and construction. In addition, we want to put PV modules on the cable nets to generate energy and provide shade at the same time. To touch, understand and experiment.

In addition, we would like to find out how our structures are perceived and accepted by different people. For this purpose, the House of Competence (HOC) with Alexa Kunz and Sarah Herrmann will be integrated as a contribution to the design-related reflection report.

Based on the results of the seminar, the HOC offers participants an in-depth elaboration on research impulses in the design process as an additional service.

Regular dates: Friday 2.00 pm – 5.15 pm

1st meeting: 25.10.2024, Hertzstrasse 16, 76187 Karlsruhe, Bldg.06.34

Place: 06.34 R 112 Westhochschule, Hertzstr. 16

Excursions to be present to a manufacturer of cable nets

Submission / examination: 07.03.2025

Number of participants: 24

Focus of study: Building Technology

**Building Techniques: Building Workshop Structure - integrated and functional**1720907, WS 24/25, 4 SWS, [Open in study portal](#)**Seminar (S)  
On-Site****Content**

Participants are encouraged to work with structures using wood and natural building materials such as clay, lime, hemp, wood fibers, and similar materials. When used in their behaviour, these building materials possess positive climatic properties for indoor spaces. The knowledge of manufacturing, processing, and using these traditional materials has been lost over time but is now being rediscovered and reinvented due to the growing interest in sustainable building materials.

Can the building material be used to create spaces that meet the user-relevant requirements for summer heat protection and winter thermal isolation? At the same time requirements for light, moisture, sound and odour have to be fulfilled with these materials.

The course emphasizes experimenting with wooden structures and their connection techniques and provides access to the above-mentioned materials through activities like mixing, processing into bricks, or filling between wooden constructions. Through practical implementation, the course goes beyond merely conveying technical data and application possibilities, offering sensory impressions through hands-on experience.

Knowledge of building with clay, lime, and hemp will be provided by Marlene Dorbach.

The output is a manageable design task in which wood and natural building materials are used wisely according to their properties.

It is recommended to take this seminar as a supplement to the design "Neue Markthalle Karlsruhe" professorship BLM. The task within the seminar can be freely selected to the design of market hall structure or market stand.

Regular sessions: Fridays 9:45 AM – 1:00 PM

First meeting: October 25, 2024, Hertzstrasse 16, 76187 Karlsruhe, Building 06.34

Excursions to be present: to wooden and clay structures

Submission/Presentation: March 7, 2025

Number of participants: 24

## T

**4.5 Course: Building Studies and Design [T-ARCH-107372]**

**Responsible:** Prof. Meinrad Morger  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-103630 - Building Studies and Design](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each winter term	1

Events					
WT 24/25	1710209	<a href="#">Building Studies and Design: Potentials of Prefabrication</a>	2 SWS	Seminar	Morger, Amon, Kunkel, Schneider, Zaparta

**Competence Certificate**

Other examination requirements consisting of a tutorial, model or picture as well as, if necessary, model-related construction tasks taking place during the semester.

**Prerequisites**

none

Below you will find excerpts from events related to this course:

## V

**Building Studies and Design: Potentials of Prefabrication**

Seminar (S)

1710209, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

**Content**

In order to construct buildings as economically, resource-efficiently and sustainably as possible, the potential of prefabrication is once again coming to the fore. In the 'Potentials of prefabrication' analysis seminar this winter semester, we will be looking at various building systems and construction techniques based on different building materials from the past and present of architecture. We will analyse international projects of all typologies and focus on the joining and the resulting architectural character. What temporal context and what technical possibilities led to these solutions? What are the advantages and disadvantages and what are the potentials for the future?

First Meeting: NEW Wed 13.11.2024, 10:00 am, Building 20.40, Room 113, Seminar Room Gebäudelehre

Submission/ Presentation: Wed, 22.01.2025

Number of Participants: 18

## T

**4.6 Course: City Theory [T-ARCH-107377]**

**Responsible:** Prof. Dr.-Ing. Barbara Engel  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-103635 - City Theory](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each winter term	1

Events					
ST 2025	1731172	<a href="#">City Theory/Research Seminar: New Collaborations. Urban Practice of Change.</a>	2 SWS	Seminar / 	Engel, Staab

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

**Competence Certificate**

Other examination requirements each consisting of seminar papers in written and/or drawn form consisting of maximum 20 pages and a presentation or an oral talk lasting maximum 20 minutes.

**Prerequisites**

none

Below you will find excerpts from events related to this course:

## V

**City Theory/Research Seminar: New Collaborations. Urban Practice of Change.**

1731172, SS 2025, 2 SWS, Language: German/English, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

The cross-university course (in collaboration with RWTH Aachen, BTU Cottbus, TU Dresden and others) focuses on the changes in urban planning practice. How can the transformation towards socially inclusive, climate-friendly and at the same time more resilient cities succeed? Which forms of co-design and co-production are promising? The research seminar will take a critical look at the specialist input lectures in the form of oral discussions and written papers. The input lectures take place on Mondays, 4–6 pm.

Part of the course is the participation on the 9th University Day of the National Urban Development Policy on June 5th and 6th in Berlin (financially supported).

Appointment: unregular

First Meeting: Tue 22.04.2025, 11.40 R013

Submission/Exam: Tue 15.08.2025

Number of Participants: 3

Form: Single/Teams of two

Focus of study: Urban Design

## T

**4.7 Course: Communication of Architecture [T-ARCH-107368]**

**Responsible:** Prof. Dr. Riklef Rambow  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-103626 - Communication of Architecture](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each term	1

Events					
ST 2025	1710452	<b>Communication of Architecture: Intelligens. Natural. Artificial. Collective. The 19th International Architecture Exhibition in Venice (incl. Excursion)</b>	2 SWS	Seminar / 	Rambow

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

**Competence Certificate**

Other examination requirements consisting of a presentation lasting 30 minutes within the framework of the course and a written composition encompassing approx. 15 pages.

**Prerequisites**

none

*Below you will find excerpts from events related to this course:*

## V

**Communication of Architecture: Intelligens. Natural. Artificial. Collective. The 19th International Architecture Exhibition in Venice (incl. Excursion)**

**Seminar (S)  
On-Site**

1710452, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

**Content**

The Architecture Biennale in Venice is arguably the world's most important event for architectural communication. It brings together almost one hundred individual exhibitions and thus provides not only a worldwide overview of current themes and positions in the field of architecture and urbanism, but also of the current state of curatorial practice. This takes place against the unique background of the city of Venice, which can itself be regarded as a permanent architectural exhibition. The seminar serves as a sound introduction to the structure and history of the city of Venice as well as to the concept and development of the Biennale. It concludes with an excursion during which we will intensively explore and discuss the city as well as the exhibition.

The excursion to Venice is an essential part of the course. The organisation of travel and accommodation will be supported. Total costs of approx. 500 euros are to be expected.

Excursion: Venice, planned from 22.09.–26.09.2025

Submission/Exam: 26.09.2025

Number of Participants: max. 25

Focus of Study: Architectural and Cultural Heritage

T

**4.8 Course: Course in the Study Workshop Modell [T-ARCH-107423]**

**Responsible:** Bastian Gäng  
Andreas Heil  
Philipp Jäger

**Organisation:** KIT Department of Architecture

**Part of:** [M-ARCH-105682 - Key Qualifications](#)

Type	Credits	Grading scale	Recurrence	Version
Completed coursework	2	pass/fail	Irregular	1

**Prerequisites**

none

T

**4.9 Course: Course in the Study Workshop Photography [T-ARCH-107422]**

**Responsible:** Bernd Seeland  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-105682 - Key Qualifications](#)

Type	Credits	Grading scale	Recurrence	Version
Completed coursework	4	pass/fail	Each term	1

## T

## 4.10 Course: Design Project 2 [T-ARCH-107344]

**Responsible:** Studiendekan/in Architektur  
**Organisation:** KIT Department of Architecture  
**Part of:** M-ARCH-105672 - Design Project

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	12	Grade to a third	Each term	2

Events					
WT 24/25	1710111	S,M,L (Frohn)	5 SWS	Project (P / 🎯)	Frohn, Wasel, Streicher
WT 24/25	1710206	An homage to Auguste Perret's Le Havre(Morger)	5 SWS	Project (P / 🎯)	Morger, Zaparta, Schneider, Amon
WT 24/25	1710303	Poly-Seasonal Architecture 3 REDUNDANCY (Hartmann)	5 SWS	Project (P / 🎯)	Hartmann, Coricelli, Kadid, Vansteenkiste
WT 24/25	1710304	Almost Always Empty – Buildings for Cars (Schlösser/Kirchner)	5 SWS	Project (P / 🎯)	Brasanac, Schlösser, Kirchner
WT 24/25	1720503	Monastère Moderne: A Place of Contemplation (Entwurf Wappner)	5 SWS	Project (P / 🎯)	Wappner, Kochhan, Wang, Calavetta, Huismans, Häberle, Hörmann
WT 24/25	1720552	This is our House! Co-Operative Housing and Living in Berlin (Entwurf Klinge/Rambow)	5 SWS	Project (P / 🎯)	Klinge, Rambow, Michalski, Weber, Alkadi
WT 24/25	1720601	HIRZBERG+ - Micro-Multifunctional Room for a Kindergarten in Freiburg (Hebel)	5 SWS	Project (P / 🎯)	Hebel, Boerman
WT 24/25	1720609	Live.Zip - Unzip Resources (Müller)	5 SWS	Project (P / 🎯)	Müller, Gerteiser, Busse
WT 24/25	1720701	A new Market Hall for Karlsruhe (von Both)	5 SWS	Project (P / 🌀)	von Both, Seiler-Cuesta, Sartorius
WT 24/25	1720706	Simply Build Better - Theresienareal Pforzheim	5 SWS	Project (P / 🌀)	Koch, von Both, Seiler-Cuesta
WT 24/25	1720805	Common Futures - Reinterpreting African Vernacular Narratives for Digital Sustainable Construction	5 SWS	Project (P / 🎯)	Dörstelmann, Witt, Kranz
WT 24/25	1731058	My Neighbourhood, My Street, My Block. Urban Scenarios for Freiburg Dietenbach (Neppl)	5 SWS	Project (P / 🎯)	Neppl, Krüger, Hetey
WT 24/25	1731160	Matiçan / Pristina. Transform for Resilience (Engel)	5 SWS	Project (P / 🎯)	Engel, Lev, Song
WT 24/25	1731210	Urban Block Passagehofquartier – From Karlsruhe's Backyard to the Urban Quarter of the Future (Bava)	5 SWS	/ 🎯	Bava, Ehmann, Seitz
WT 24/25	1731260	Black Houses (Inderbitzin)	5 SWS	Project (P / 🎯)	Inderbitzin, Trachsler, Schork, von Zepelin, Nalbach
ST 2025	1710107	Bermuda Berlin (Frohn)	5 SWS	Project (P / 🎯)	Frohn, Wasel, Streicher
ST 2025	1710204	Borderline(s) Investigations #01 Economy and Excess, Lightness (Bru)	5 SWS	Project (P / 🎯)	N.N., Zaparta, Schneider, Amon

ST 2025	1710302	<b>The Institutional Library: Beyond the Closed Archive (Hartmann)</b>	5 SWS	Project (P / 🎧)	Hartmann, Kadid, Coricelli, Vansteenkiste, Zucchello
ST 2025	1710308	<b>Find Your Darling ! (Brüggen)</b>	5 SWS	Project (P / 🎧)	Brasanac
ST 2025	1720601	<b>Matthäus Vision - Transformation of the Matthäuskirche in Karlsruhe (Hebel)</b>	5 SWS	Project (P / 🎧)	Hebel, Hirt, Yi
ST 2025	1720652	<b>DOMINO CIRCULAR (Kaiser)</b>	5 SWS	Project (P / 🎧)	Kaiser, Erlewein
ST 2025	1720701	<b>Ensemble 30.x (von Both/Koch)</b>	5 SWS	Project (P / 🎧)	von Both, Koch, Seiler-Cuesta
ST 2025	1720805	<b>Ghana Co-Lab: Co-creating Digital Pathways for Circular Construction in Kumasi (Dörstelmann)</b>	5 SWS	Project (P / 🎧)	Dörstelmann, Feldmann, Witt
ST 2025	1731086	<b>The Chandigarh Challenge: Balancing Cultural Heritage and Future Urban Development (Neppl)</b>	5 SWS	Project (P / 🎧)	Neppl, Giralt
ST 2025	1731160	<b>Blue-Green Transformation. Reimagining Spinning Mill Area in Ettlingen.(Engel)</b>	5 SWS	Project (P / 🎧)	Engel, Kannen
ST 2025	1731210	<b>Think Garden (Schifferli)</b>	5 SWS	Project (P / 🎧)	Schifferli, Zuber
ST 2025	1731260	<b>Love Me Two Times (Trachsler/ Inderbitzin)</b>	5 SWS	Project (P / 🎧)	Inderbitzin, Schork, von Zepelin

Legend: 🎧 Online, 🎧🎧 Blended (On-Site/Online), 🎧 On-Site, ✕ Cancelled

### Competence Certificate

Other examination requirements consisting of an architectural or urban design project that is produced during the semester. Working on the design task is done, as a rule, individually; there are regular supervisions resp. corrections that take place. The progress monitoring occurs during the study course within the framework of one or more intermediate presentations as well as a final presentation. Here the produced results are portrayed and assessed in the form of drawings, models (analog and/or digital), texts and talks. The duration of the presentation is approx. 20 minutes per project.

Below you will find excerpts from events related to this course:

V

### S,M,L (Frohn)

1710111, WS 24/25, 5 SWS, Language: German/English, [Open in study portal](#)

**Project (PRO)**  
**On-Site**

**Content**

The single-family home is probably the most contested architectural trope of modern housing. Beloved by many as the built expression of personal ambition and loathed by others as proof of everything that has gone wrong architecturally and urbanistically.

The criticism hints at problems on various scales:

The inability of the single-family home to adjust to changing family constellations and demographic shifts is a principal culprit for the ever-growing spatial footprint which has reached an all-time high of 48 sqm per capita in Germany.

The individual houses are embedded within a territory isolating the neighboring parties through strict legal and architectural borders while at the same time maximizing land use and minimizing biodiversity.

The sprawl and almost surgical separation from all social infrastructures and places of work entails a complete reliance on automobile mobility.

The studio will explore the potential to transform the existing suburban condition through strategic design interventions on the three above-mentioned scales.

We will focus on one cluster of homes along "Waschbärenweg" in the largest conglomerate of single-family homes in Germany along the border of Berlin and Brandenburg.

Appointment: Thursdays

1st meeting: Thu, 24.10.24, 14:00

Submission/Examination: TBD

Number of participants: max. 25 students

Language: German / English

Excursion: Berlin

**An homage to Auguste Perret's Le Havre(Morger)**

1710206, WS 24/25, 5 SWS, Language: German, [Open in study portal](#)

**Project (PRO)**  
**On-Site**

**Content**

An homage to Auguste Perret's Le Havre

Auguste Perret and his studio built a masterpiece of post-war architecture between 1945 and 1954 with the reconstruction of the Norman port city destroyed in the Second World War. Despite the integration of the traditional urban structure, the modern urban concept resulted in well-proportioned, open, and lively urban spaces. Concrete prefabrication was the fundamental principle; however, the result was an extremely diverse architecture ranging from outstanding representative buildings to intelligently balanced, beautiful housing floor plans. 20 Years after the city was inscribed on the UNESCO World Heritage List, new challenges have arisen in connection with its inner desiccation potential and the global climate crisis. The design class therefor searches for answers to these complex questions in terms of urban space, architecture, typology, and detailed design, intensively examines Auguste Perret's experiment and develops methods for a contemporary transformation through inspiration, imitation, interpretation, innovation. Lectures by external speakers complement the design course.

First meeting: 23.10.2024, 12:00 am, 20.40 R 113, Seminarraum Professur Gebäudelehre

Interim reviews 14.11.2024, 05.12.2024, 30.01.2025,

Compulsory excursion: 08.11.2024 – 10.11.2024, Le Havre

Submission/Exam 19.02.2025

Form: Individual work

Focus of study: Architectural and Cultural Heritage

**Poly-Seasonal Architecture 3 REDUNDANCY (Hartmann)**

1710303, WS 24/25, 5 SWS, Language: English, [Open in study portal](#)

**Project (PRO)**  
**On-Site**

**Content**

The Master's Studio will explore the principle of redundancy in architecture.

Redundancy can be generally defined as having at least 1 more choice, than the absolute minimum needed for the system not to fail. Multiple levels of redundancy in a system exponentially increases the number of possible choices, whilst also reducing its efficiency.

Redundancy is also a safety principle, commonly applied in the design of building structures or their fire safety (min. 2 routes of egress). It means a system will still work, even if part of it fails.

Buildings are often designed fit-to-purpose for a specific program and use, and for maximum efficiency, eliminating any redundancy where possible. This often results in difficulties adapting to changes and ending their lifespan prematurely.

Students will use architectural tools and methods to explore how redundancy affects topics of spatial organization, circulation, structure or envelope, throughout the development of the studio project:

You will design for possibilities rather than for programs.

You will assess the role of redundancy to make a building resilient to changes (of climate, context, use or otherwise)

You will analyze existing structures and exploit their inherent redundancies as well as introduce new levels of redundancy.

The site of the studio will be Strasbourg, where we will specifically focus on the European institutions which have had an important role in the development of the city since 1949.

Students will start with in-depth research on relevant reference projects, whilst building a skill-set of tools and methods to be applied to their design projects.

Simultaneously, students will compile a 'thick description' of the site.

The strategies distilled from this research will be applied to the site through adaptation and testing of anticipatory design strategies.

The projects will investigate the topic of redundancy and its application to the specific conditions of the site.

**Appointment:** Th. 10:00 AM - 05:30 PM, 20.40 R204 Zeichensaal

**First meeting:** 24.10.2024, 10:00 AM, Geb. 20.40 R204 Zeichensaal

**Excursion:** 09.-11.11.2024 / Strasbourg

**Final Presentations:** 20.02.2025

**Output:** individual or groups of two

V

**Almost Always Empty – Buildings for Cars (Schlösser/Kirchner)**

1710304, WS 24/25, 5 SWS, Language: German/English, [Open in study portal](#)

**Project (PRO)  
On-Site**

**Content**

Together we will look at a selection of existing buildings in the city of Berlin that are associated with (combustion) motorised private transport and have been heavily underused for a long time. With the transition from fossil fuels to renewable energies and the renegotiation of space requirements for different forms of mobility within urban society, in the near future a whole system of buildings can be transformed: Petrol stations, multi-storey car parks, parking decks, etc. will be up for disposition within the city.

With drawings the selected buildings and their surroundings will be recorded and analyzed as the basis for the design. Here we will deepen a special aspect of the new architectural interest in existing buildings: the value of the existing building is no longer measured only by its cultural status, but also by its potential to accommodate a spatial transformation and to develop a new architectural identity. In our studio we will explore this new value of the profane existing building. The aim is to understand what constitutes a resilient building and how future transformations and adaptations can be considered already during the design phase, whilst at the same time affirming an original architectural identity.

In terms of design the buildings of the car-orientated city will be transformed into urban houses: For living and working. Beyond the specific ideas for a new program the architectural designs will simultaneously be discussed according to their resilience to future changes, i.e. a certain neutrality of use. Based on the specifics of the existing buildings we are looking for architectures that give form to the social and ecological transformation.

**Appointment:** Th. 10:00 AM - 05:30 PM, R221, 20.40

**First meeting:** 24.10.2024, 10:00 AM, 20.40 R221

**excursion:** 09.11. - 11.11.2024 / Berlin

**Pin-Ups:** tba

**Form:** Individual work or teamwork

**Submission/Exam:** 20.02.2025

**Monastère Moderne: A Place of Contemplation (Entwurf Wappner)**1720503, WS 24/25, 5 SWS, Language: German/English, [Open in study portal](#)**Project (PRO)  
On-Site****Content**

Monasteries have always been places of contemplation, silence and seclusion, where people retreat from the hustle and bustle of the world for a variety of reasons in order to find inner purification and peace through physical work, spiritual study and prayer. This traditional typology emerged as early as the 4th century from the idea of communal living together according to spiritual beliefs and from then on gained importance as a center of spiritual life not only in Christianity but also in many other cultures. The 'monastery' type, consisting of the sacred space at its heart, communal and meeting rooms, dormitories and outdoor agricultural facilities, has constantly adapted and changed over the course of history in line with the social and religious circumstances of its time.

Nowadays, the monastery as a purely religious institution has lost importance, as the number of religious communities continues to decline in modern, pluralistic society. In an increasingly secular society, more and more people are looking less for religious fulfillment and more for community, personal support and a meaningful activity. At the same time, there is a growing need for closeness to nature, peace and contemplation, far away from the hectic pace of modern life. The type of monastery is thus being reinterpreted worldwide - no longer just as a place of strict religious practice, but now as a non-denominational, protected retreat. A space for inner contemplation, time out, new communities, but also creative work and sensory perceptions.

Enriched by an excursion to historical monastery architecture in the region, we want to explore the question of how this millennia-old typology can be given a contemporary and forward-looking architectural expression with a new identity as a newly interpreted architectural structure.

Regular appointment: Thu 14:00-18:00

1st meeting on 24.10.2024 at 10:00 in R240

Intermediate critique 1: 28.11.2024

Intermediate critique 2: 16.01.2025

Final presentation: 20.02.2025

Compulsory excursion: 07.11.2024

Form of work: individual work

**Organizational issues**

nach Vereinbarung

**This is our House! Co-Operative Housing and Living in Berlin (Entwurf Klinge / Rambow)**1720552, WS 24/25, 5 SWS, Language: German/English, [Open in study portal](#)**Project (PRO)  
On-Site****Content**

The non-profit JOANES Foundation is organizing a competition for students for the first time for winter semester 24/25: Under the title "What do people do when they live?", a cooperative residential building with commercial space on the first floor is to be planned for a real property in Berlin. Projects selected by a jury will be further developed in a workshop process and the best entry will be realized. We are looking for a realistic utopia. Fundamental questions of coexistence in the city are to be addressed as well as sustainable construction concepts. The competition places great value on thorough research, comprehensible presentation and justification of the design decisions and a clear focus on human needs. Interdisciplinary approaches are expressly encouraged. In this joint design studio of the professorships "Construction and Design" and "Architectural Communication", we want to take up these demands with maximum seriousness and examine the topic of urban communal living from a design, constructive, ecological, economic, sociological and psychological perspective. We want to use a variety of research and documentation methods to develop forward-looking solutions that enable a diverse group of residents to say: This is our house! (Ton, Steine, Scherben: "Rauch-Haus-Song", 1972)

**Dates:**

Regular appointment: Thu 09:00-13:00

1. Meeting on 24.10.2024, 09:00 (Building 20.40, R240)

Intermediate critique 1: 05.12.2024

Intermediate critique 2: 23.01.2025

Submission/presentation: 20.02.2025

Compulsory excursion: Probably 09.11. - 11.11.2024

Form of work: Individual or group work (teams of 2)

Study focus: Construction technology

**HIRZBERG+ - Micro-Multifunctional Room for a Kindergarten in Freiburg (Hebel)**1720601, WS 24/25, 5 SWS, Language: German/English, [Open in study portal](#)**Project (PRO)  
On-Site**

**Content**

The 'Haus für Kinder am Hirzberg' in Freiburg is characterised by its proximity to nature, built structures that have grown over time and space and an open room concept. In two existing buildings on a slope, which are connected by an intermediate building for access, the educational work of the team takes place in a homely atmosphere on different levels and always in close relation to the outdoors. The existing structure is complemented by a courtyard for the children to play in, which is protected by a small wooden tool shed facing the valley.

The kindergarten is now to be extended on its own site with a micro-multifunctional space, which is the focus of the semester assignment and which will subsequently be realised in cooperation with an architectural office based in Freiburg. The room will serve as a common and study room for staff as well as a room for curative education programmes and parent meetings. As the site is located within the "Roßkopf-Schloßberg" landscape conservation area, the preservation of the surrounding trees and copses as well as the protected wetland complex is an important design requirement. Particular importance is also attached to the spatial relationship between the existing buildings on the Hirzberg slope and the new spatial structure that is being created towards the valley, which should fit into the local landscape and provide a cosy atmosphere for the kindergarten staff.

The design is aiming for a detailed examination of the resulting environmental effects, building economics, structural engineering and building physics issues, as well as the use of resource-friendly, pure building materials such as renewable and secondary building materials, sustainable, circular construction methods and their design-related effects on function and aesthetics with planning up to a scale of 1:1.

First Meeting: 24.10.2024, 09.30 am (Bldg. 20.40, R 208)

Excursion: 15.11.2024, Freiburg

Pin-Up: 11.12.2024

Submission: 19.02.2025

Presentation: 21.02.2025

Form: Teamwork

**Live.Zip - Unzip Resources (Müller)**

1720609, WS 24/25, 5 SWS, Language: German, [Open in study portal](#)

**Project (PRO)**  
**On-Site**

**Content**

To rewrite buildings that have fallen out of use in the spirit of the Bauwende requires care. Care that, in addition to analysing the architectural and material substance, develops an understanding of the local building culture and social conditions. Critically scrutinising existing ideas for subsequent use and formulating counter-concepts that are supported by arguments are fundamental.

This semester, we focus on a typical 70s building complex in the city of Karlsruhe. These post-war structures, associated with structuralism, are characterized by their strict grid layout and horizontal façade design. Such buildings offer significant potential for adaptive reuse and serve as examples for numerous similar types.

The current plan for the site involves demolishing the existing structures to make way for dense residential development. We will counter this scenario with an alternative proposal.

We set ourselves the challenge of developing and representing a sensible (residential) use in and around the existing buildings by means of reorganisation, addition and subtraction.

1st meeting: 24.10. 2024, (Bldg. 11.40, R026)

Mid critiques: to be announced

Excursion: 10 - 11.11.2024, Basel

Submission/Presentation: 20.02.2025

Form: groups of 2

Focus of study: Architectural and Cultural Heritage

**A new Market Hall for Karlsruhe (von Both)**

1720701, WS 24/25, 5 SWS, Language: German, [Open in study portal](#)

**Project (PRO)**  
**Blended (On-Site/Online)**

**Content**

Market halls are multifunctional spaces whose significance extends far beyond their original commercial function. They serve as central hubs of social life and cultural exchange, while also making an important contribution to sustainable urban development and regional production cycles.

On the site of today's Badisches Staatstheater in the Südstadt district, there stood a market hall built in 1934, which remained until the 1970s. This hall was a key component of the city's commercial infrastructure and an important social gathering place, also serving cultural purposes. For instance, in 1967, the 15th "Exhibition Karlsruhe" of the German Artists Association was held in the old market hall in cooperation with the Badischer Kunstverein.

In 1970—during a time when other retail concepts like large shopping centers on the outskirts (Big Box Stores) were favored—the market hall was closed, and the building was demolished to make way for the construction of the Badisches Staatstheater. Citizens were promised a replacement, but this was only partially fulfilled with the "Großmarkt Karlsruhe" on Weinweg, located further out, which served a very limited customer base (commercial resellers).

As evidenced by the current challenges faced by department store chains and the high vacancy rates in traditional retail spaces in pedestrian zones, shopping and consumption behaviors have changed significantly. Consumers increasingly value unique shopping experiences, sustainability, and quality over the purchase of mass-produced goods when shopping in person.

As part of this design project, the potential of market halls—with their flexible offerings compared to traditional department stores, their proximity to customers, and their sustainable regional production cycles—will be explored. Can they provide an alternative concept to the highly commercialized shopping malls by offering an authentic and regional shopping experience, as well as integrating social and cultural offerings and services, thereby supporting the local economy and craftsmanship?

Building on a general potential analysis of the "market hall" typology, a sustainable usage concept (spatial program) will be developed for the Karlsruhe location. This concept will derive its added value from the synergies of trade combined with other offerings, such as sociocultural and culinary services, while enabling regional food systems. Additionally, a suitable location in Karlsruhe, aligned with the usage concept, will be identified. The planning implementation will be carried out in close coordination with the Chair of Building Technology (Prof. Dr. Rosemarie Wagner) at a scale appropriate to the project size.

Examination of Other Types / Special Examination

**Regular meetings:** Thu. 09:00 am -13:00 pm

**First meeting:** Thursday, den 10/24/2024, 9:00 am, Seminar Room BLM

**Submission/Exam:** Thursday, 02/20/2025

**Organizational issues**

Master

**Regeltermin:** Do. 09:00-13:00 Uhr

**1. Treffen:** Donnerstag, den 24.10.2024, 9:00 Uhr, Seminarraum BLM

**Prüfungstag:** 20.02.2025

**Regular meetings:** Thu. 09:00 am -13:00 pm

**First meeting:** Thursday, den 10/24/2024, 9:00 am, Seminar Room BLM

**Submission/Exam:** Thursday, 02/20/2025

**Simply Build Better - Theresienareal Pforzheim**

1720706, WS 24/25, 5 SWS, Language: German/English, [Open in study portal](#)

**Project (PRO)  
Blended (On-Site/Online)**

**Content**

Building in Germany is too complicated and too expensive. In our design work, we address these problems and fundamentally rethink the design, planning and operation of buildings.

To this end, we analyze and evaluate the established processes, roles and rules of today's construction and, building on this, develop innovative structures for more effective processes in the planning and operation of buildings. To this end, we introduce AI, lean construction and distributed ledger methods and apply them to architectural processes. Their concepts should ultimately enable significantly cheaper and more effective properties while maintaining the same quality criteria and supporting sustainable management.

The Theresienareal in the "Arlinger district" in Pforzheim serves as a planning example. We are planning a building ensemble with an integrated daycare center, apartments suitable for senior citizens and daycare on a 2,700 sqm site. In this context, we are also exploring the principles of cooperative building and receiving feedback from a local building cooperative.

Other types of examination

**Regular meetings:** Thursdays 9:00 am - 13:00 pm

**First meeting:** Thursday, 10/24/2024, 09:00 pm, BLM

**Submission/Exam:** Wednesday, 02/19/2025, BLM

V

### Common Futures - Reinterpreting African Vernacular Narratives for Digital Sustainable Construction

1720805, WS 24/25, 5 SWS, Language: English, [Open in study portal](#)

**Project (PRO)**  
**On-Site**

#### Content

A global transformation towards a circular economy requires local changes in the construction sector. A large proportion of future global construction activity will take place in growth regions, which therefore offer the greatest potential for avoiding emissions. Digital design and manufacturing methods can enable innovative concepts for the use of renewable and natural materials in construction, thus opening up solutions to these global challenges based on digital and circular construction methods.

The potential of digital technologies for sustainable construction must be redefined and researched in each case from the specific local socio-economic, climatic and architectural context. In this studio, we are focusing on the African continent in order to learn from the heterogeneous cultural and architectural approaches of traditional construction methods in different African regions.

We develop experimental concepts of circular construction in dialogue with local partners and assess their transformation potential in terms of both prototypical implementation and their chances of bringing about long-term sustainable change towards climate-friendly construction.

The collective insights gained from the studio will be applied in the context of a construction week in Africa in summer 2025, in preparation for a longer-term international engagement of the professorship.

First Meeting: 24.10.2024, (Bldg. 20.40, R 133)

Pin-Up: 19.12.2024

Excursion: 09.-11.11.2024

Submission/Presentation: 20.02.2025

Form: Individual work and teamwork

**Focus of study: Building Technology**

No prior knowledge is required.

V

### My Neighbourhood, My Street, My Block. Urban Scenarios for Freiburg Dietenbach (Neppl)

1731058, WS 24/25, 5 SWS, Language: German, [Open in study portal](#)

**Project (PRO)**  
**On-Site**

#### Content

The shortage of affordable housing has been one of the most urgent issues for years. To address the housing crisis, the city of Freiburg plans a new urban neighbourhood for 16.000 residents.

The existing framework development plan (Rahmenplan) Freiburg Dietenbach serves as the background and starting point for the design course. With the recent publication of the first land-use plan (Bebauungsplan), the urban extension project Dietenbach is at the intersection between urban design and architecture.

The design course aims to analyse, reinterpret, and further develop the existing framework plan into a new urban neighbourhood and, in a second phase, to develop a detailed architectural concept. The concept of the open block anchored in the framework development plan serves as the design guideline for the course. It offers different building typologies, architectural diversity and flexible floor plans.

The design course will focus on the urban and architectural impact of different typologies and their floor plans and facades, as well as the transition and connection between architecture, urban planning and open space planning.

Regular date:	Thu, 9:45 am-1:00 pm, Bldg.11.40, R015
1st meeting:	24.10.2024
Interim critique:	05.12.2024 and 16.01.2025
Mandatory meeting:	31.10.2024 Introduction workshop and site visit
Submission/examination:	20.02.2025
Form:	Teamwork (groups of 2 or 3)
Study focus:	Urban design
Recommendation:	at least 1 completed design

**Matiçan / Pristina. Transform for Resilience (Engel)**1731160, WS 24/25, 5 SWS, Language: English, [Open in study portal](#)**Project (PRO)**  
**On-Site****Content**

Pristina is struggling with many crises. After the collapse of the socialist planned economy and the end of the war in the former Yugoslavia, Pristina experienced a period of extensive and uncontrolled construction activity. The rapidly growing population led to a housing shortage. There are few usable public spaces, many squares are neglected, and there is a lack of places for recreation as well as green and retention areas. The transport infrastructure is completely overloaded. A lack of governance structures and weak institutions encourage corruption and illegal developments. At the same time, Pristina has developed into a center of creativity and innovation. With a vibrant creative scene, it has become a major attraction in Kosovo, especially for young people.

Matiçan, a suburban neighborhood 3 km southeast of the city center, has also grown rapidly in recent years without a coherent plan and suffers from a lack of social and technical infrastructure. The studio's task is to develop strategies and concepts for the resilient development of Matiçan at different scales. Part of the studio is an excursion in November 2024 that will be financially supported by the DAAD. The workshop in Pristina is organized in cooperation with the University of Pristina, the University for Business and Technology (Pristina), and the Odessa State Academy of Civil Engineering and Architecture.

Appointment: Thu

First Meeting: Thu 24.10.2024, 10:00, 11.40 R013

Excursion: about 8 days in the period from 07.11. to 14.11.2024

Pin-Up: Thu 05.12.2024, Tue 21.01.2025

Submission: Wed 19.02.2025

Presentation: Thu 20.02.2025

Form: Individual work, Teamwork (2)

Focus of Study: Urban Design

Number of Participants: 15+2 (BA/MA)

**Urban Block Passagehofquartier – From Karlsruhe's Backyard to the Urban Quarter of the Future (Bava)**1731210, WS 24/25, 5 SWS, Language: German, [Open in study portal](#)**On-Site****Content**

Karlsruhe's city center has a wide range of cultural, gastronomic and retail offerings, is well connected by public transport and yet is experiencing an identity crisis. The mobility transformation, climate change and digitalization are changing the perception of urban space and, especially against the backdrop of climate change; dense building structures and the high degree of sealing pose a challenge. And changing social habits are increasingly calling the city center into question as a center of consumption. How can a city center remain lively and diverse in the future? What qualities do the heterogeneous "back sides" of the city center offer in a planned city like Karlsruhe? How can the diverse requirements and high pressure of use in a city center be managed in such a way that high-quality and sustainable urban spaces and districts are nevertheless created?

Based on a detailed analysis of the historical, spatial and use-specific development of Karlsruhe's city centre districts, the Passagehof is to be developed as a future-oriented and exemplary urban building block. The objective is to develop concrete and implementable concepts for the very diverse public space: the aim is to harmonise private and public interests as well as social and commercial functions in the urban space in order to create stable urban ecosystems that can develop their resilience, liveability and charm from within and radiate into the neighbouring city space in a specific way.

First Meeting: Thu 24.10.24 14:00,

Bldg. 11.40, Room 122

1.PinUp: Thu 21.11.24 10:00

2.PinUp: Thu 19.12.24 10:00

Submission/Exam: Thu 20.02.25 10:00

Form: Groups of two people

Focus of study: Urban Design

**Black Houses (Inderbitzin)**1731260, WS 24/25, 5 SWS, Language: German, [Open in study portal](#)**Project (PRO)  
On-Site****Content**

Next semester we will be designing large wooden houses. We want to explore an architecture in which time and material are expressively interwoven. The temporal dimension is particularly apparent in wood: in the annual rings of a tree trunk, in the shape of a wooden joint, or in the charring of continuous weathering by sun, wind and rain.

Irrespective of whether a house is conceived as permanent or ephemeral, we assume a non finito for the projects, i.e. buildings without completion, use and decay. The linear understanding of time gives way to a cyclical one, which is why the ongoing construction, maintenance and care of the houses also becomes formative. We are talking about open forms in which change is inherent. And structures with components that have different functions and meanings: load-bearing, separating, protective and symbolic, as well as durable and ephemeral woods.

The starting point for the design of the large wooden houses is the tree trunk, which is sawn into beams, planks and boards. In experimental trials on the model, the unglued timbers are joined to form load-bearing and spatial structures for living and working.

The semester is accompanied by contributions and critiques from experts. The integrated specialisation serves to lay the foundations and build the knowledge for design. On the excursion to Switzerland we will have a look at some wooden houses.

First Meeting: 24.10.2024, 10 am (Bldg. 11.40, R 115)

Pin-Ups: to be announced

Mandatory excursion: Switzerland

Submission/Presentation: 20.2.2025

Form: Individual work or teamwork is possible

English is possible for the discussions of the projects

**Bermuda Berlin (Frohn)**1710107, SS 2025, 5 SWS, Language: German/English, [Open in study portal](#)**Project (PRO)  
On-Site****Content**

Suburbia was born as a dream - a utopia promising individual space, comfort, and a better life.

As a retreat from the chaos of the city, it offered the ideal home, the perfect lawn, and the promise of community.

But somewhere along the way, the hopeful dream could no longer escape its doubtful reality. Sprawl replaced country side, the escape from the city turned into endless commutes, and the lack of shared spaces drained its social core.

Building upon the work conducted during the last semester this studio continues to rethink suburbia – this time not on the scale of the individual home and its garden, but as a site for radical infrastructural intervention.

Based on a series of different urban readings we will challenge conventional suburban planning and propose new spatial strategies for a more connected, inclusive and resilient suburbia.

Our site of investigation continues to be the Mahlsdorf, Kaulsdorf and Biesdorf quarters of Berlin, which constitute Germany's largest single-family housing development.

The goal of the studio is to develop architectural interventions that rethink shared social infrastructures, exploring spatial and programmatic strategies to transform suburbia.

1st meeting: Thu, 24.04.25, 14:00

Submission: Thu, 07.08.25

Excursion: Berlin

**Borderline(s) Investigations #01 Economy and Excess, Lightness (Bru)**1710204, SS 2025, 5 SWS, Language: German/English, [Open in study portal](#)**Project (PRO)  
On-Site**

**Content**

Borderline(s) Investigations #01  
- Economy and Excess

**LIGHTNESS**

Travelling lightly means leaving with the bare minimum, arriving safely and discreetly in an unknown place and then keeping your eyes wide open to carefully modulate your daily life to this new environment. Lightweight construction is inspired by this traveler's ethics. With this in mind, we set up only as little as possible, land safely and discreetly on a site that is unfamiliar to us and then keep our eyes wide open to carefully modulate our project to this new environment. We are well aware that, by its very nature, architecture does not escape gravity, but it is possible to restrict the meaning of the term. There is no obligation on us to make our architecture "severe" in the solemn sense. On the contrary, it can only be satisfied with a few traces, firm enough to define a place, a space, a use, while leaving as many free appropriations and potential transformations as possible. Lightness is not an ideal, but rather a form of accessible politeness. It means considering the material from an economic point of view and thus paying tribute to its efficiency. It is a direct and pragmatic approach to implementation, without frills and in the full expressiveness of constructive modes. But by dint of lightness, would this architecture "more vague and more soluble in the air, with nothing in it that weighs or poses" (to use Paul Verlaine's words in *Art Poétique*) go so far as to take the risk of evaporation, even pure and simple disappearance? On the contrary, it is the human scale that will bring this architecture back "down to earth". In fact, lightweight construction is above all not to forget how the combined sciences of space and construction can offer mental "extensions" to our body envelop.

**Introduction:** Mon 14.04.2025

**1st meeting:** Thu 24.04.2025, bldg. 20.40, R113 Seminar room GBL

**Field trip:** Thu 01.05. – Sat 03.05.2025

**Submission of plans/models:** Thu 07.08.2025

**Final presentation:** Thu 07.08.2025

**Event format:** On-Site

**Form:** Individual work

**Language:** German/English



### The Institutional Library: Beyond the Closed Archive (Hartmann)

1710302, SS 2025, 5 SWS, Language: German/English, [Open in study portal](#)

**Project (PRO)**  
**On-Site**

**Content**

The private, institutional or specialized library, contrary to the public library, is a curated collection of books. Akin to the private art collection, the material sample library, the museum storage or the archive, its main purpose is the collection, preservation and making accessible of specialized or thematic information.

The advent of digitization and AI data mining makes these vast repositories exponentially more accessible. In opposition to the public library today, this physical storage is the most prominent component of the specialized library, yet its content or even its physical presence remains mostly unseen.

When previously the book was the main storage medium of information, today this has expanded to digital media on the one hand and physical objects on the other.

What impact does this evolution have on the physical form of the repository? How can these vast amounts of matter be made visible and accessible and also define their spatial environment? What spatial strategies can inform the spaces for its users as well as the broader public and the city?

We will focus on the Dreispitz area at the urban edge of Basel. The area was developed since the early 20th century as a 'Zollfreilager', characterized by material storage depots and light manufacturing, organized in linear plots interspersed by railway lines. Recent introductions of academic and cultural institutions such as the art and design schools and multiple museums are catalyzing the transformation of the area, as well as current and future housing developments.

This context, where cultural production, academia and the depot exist side by side is a fertile environment to explore the topic at hand. The area is already home to multiple institutions housing specialized 'collections' such as the Schaulager Laurenz Foundation, the HEK, the Bauteilbörse or the Herzog & de Meuron Kabinett.

Students will start with in-depth research on relevant reference projects, whilst building a skill-set of tools and methods to be applied to their design projects. Simultaneously, students will build a thick description of the site and the topic.

The strategies distilled from this research will be applied to the site through adaptation and testing of anticipatory design strategies, and further developed in projects.

**Appointment:** Weekly - Thursdays, 9:45 AM-5:15 PM, R204 , 20.40

**First meeting:** 24.04.2025 at 10.00h, Geb. 20.40-R204

**Excursion: Basel,** 25.04.2025-27.04.2025

**Final Presentations:** 07.08.2025

**Output:** Group and Individual work

**Find Your Darling! (Brüggen)**1710308, SS 2025, 5 SWS, Language: German, [Open in study portal](#)**Project (PRO)  
On-Site****Content**

The aim of the semester is to design a specific project as an initiative. In times of climate crisis, it is no longer enough to simply plan and build efficiently and ecologically in order to minimise damage to the environment. Instead, we want to engage proactively in the regeneration of the climate and the improvement of our immediate environment.

The initiatives are proposals and visions for existing structures. They are improvements to the Earth on a small and tangible scale.

The students and the department become agents for change in the practice of architecture, society and the built environment. We analyse existing buildings in Karlsruhe or the surrounding area, problems and potentials. We follow our intuition, our dreams and desires - and develop ecological projects as proposals for society.

The work process is divided into three phases: 1. find - identification of a location with potential (darling) 2. analyse - investigation of the structural and social contexts, 3. initiative - development of a concept as a proposal and implementation of the initiative. We work with 3D scans to analyse the objects and films to document the social, political and economic structures.

During the *Find your Darling* semester, we want to share the initiatives with the non-university context and support and encourage everyone to implement them.

Appointment: Thu 9:45 AM-5:15 PM

First meeting: 24.04.2025., 10.00 AM, Building 20.40, R221

Excursion: tbd

Final Presentation: 07.08.2025

Output: group work and individual work

**Matthäus Vision - Transformation of the Matthäuskirche in Karlsruhe (Hebel)**1720601, SS 2025, 5 SWS, Language: German, [Open in study portal](#)**Project (PRO)  
On-Site****Content**

The architectural heritage of Christian churches still shapes the cultural landscape of Europe today and plays a central role in the collective memory of many cities. However, as a result of alienation from urban society, a decline in church membership and the associated shortage of capital, vacant churches are becoming increasingly common. In order to address this issue, this semester's design task is to develop concepts for the future use and conversion of German churches, using the Matthäuskirche in Karlsruhe as an example.

The Matthäuskirche by the architect Hermann Alker is an important example of architectural history in Karlsruhe. Built as an emergency church in the 1920s after the First World War, it is characterized by its constructive solutions. A symposium at the beginning of the semester will provide an introduction to Karlsruhe church buildings, strategic issues in the course of church conversions and conservation challenges. A site visit is also planned as part of this event.

The design studio will focus on analyzing the existing building, understanding its structural and functional potential and developing concepts for further use. Short-term and long-term subsequent use scenarios are to be examined in order to develop a conversion or reuse solution that preserves the historical substance. The design should take particular account of the use of resource-saving building materials and sustainable construction methods. The work will be carried out in groups of two.

Wednesdays and Thursdays in the studio (building 20.40, R 203, 2.OG)

First Meeting: 24.04.2025

Symposium and Excursion: 08.05.2025

Submission: 06.08.2025

Presentation: 06.08.2025

**DOMINO CIRCULAR (Kaiser)**1720652, SS 2025, 5 SWS, Language: German, [Open in study portal](#)**Project (PRO)  
On-Site**

**Content**

The Weissenhof settlement on Stuttgart's Killesberg is one of the most important representatives of Neues Bauen in Germany. It will celebrate its 100th anniversary at the International Building Exhibition 2027 (IBA'27). To mark this anniversary, we would like to build on the experimental character of the settlement and the pioneering spirit of the time.

As part of the master design, you will explore the limits of circular construction methods in housing, reversing the usual linear design process. You will develop the design from the detail. The timber construction you use comes mainly from a deconstructed donor building and is thus to be given a second life cycle. Supplemented by natural building materials such as straw and clay, the result is an extremely flexible and completely circular living structure.

Two real properties are available to demonstrate scalability: Small-scale on a small plot of land in Stuttgart and large-scale in a newly developed residential area.

In the coming semesters, one of your designs will be developed in more detail and implemented as a 1:1 demonstrator with a group of students as part of the IBA'27.

From the summer semester of 2025, spacious workshop areas in Karlsruhe's Weststadt will be available to you to test the ideas you have developed in practice. A day trip with a site visit is planned.

We recommend attending the accompanying seminars "Building with Straw - Basics" and "Building with Straw – Practical Laboratory".

First Meeting: 24.04.2025, (TBD)

Pin-Up: TBD

Excursion: Stuttgart, Datum TBD

Submission/Presentation: KW32

Form: Teamwork in groups of two

Focus of study: Building Technology

**Ensemble 30.x (von Both/Koch)**

1720701, SS 2025, 5 SWS, Language: German, [Open in study portal](#)

**Project (PRO)**  
**Blended (On-Site/Online)**

**Content**

The central building complex of the Faculty of Electrical Engineering at KIT is located in the immediate vicinity of the Faculty of Architecture. It was built in the 1960s and no longer meets the requirements of an innovative and scientific working environment in terms of layout, utilization options, character, and possibilities. In close cooperation with the Dean's Office of the Faculty, you will develop an entirely new building structure and design a sustainable and inspiring learning and research environment. The supporting structures of building 30.xx, with the exception of the high-voltage hall 30.36, are to be retained if possible but combined into a functioning and creative overall structure.

First Meeting: Thursday, 24.04.2025, 9:00 am, Seminar Room BLM

Appointment: Thursdays, 09:00 am - 01:00 pm

Exam: Tue, 05.08.2025, 09:00 am

Submission: Upload/submit design documents in Ilias by Friday, 01.08.2025, am

Number of Participants: 15

**Ghana Co-Lab: Co-creating Digital Pathways for Circular Construction in Kumasi (Dörstelmann)**

1720805, SS 2025, 5 SWS, Language: English, [Open in study portal](#)

**Project (PRO)**  
**On-Site**

**Content**

A global shift toward a circular economy demands local construction changes. Especially regions with rising urbanization and associated construction activity, such as coastal west Africa, pose challenges and opportunities to reduce construction emissions. Reinterpreting the potential of digital construction technologies in the local socio-economic context of Ghana, the studio aims to explore context-specific building technologies for circular construction.

In regular exchange with multi-disciplinary students from the Kwame Nkrumah University of Science and Technology (KNUST) in Kumasi, Ghana, this design studio develops a sustainable construction concept from the previous studio Common Futures into an applicable construction system.

Centered around preparing a joint mockup in Kumasi, it merges local materials with digital tools—reducing scaling hurdles, costs, and skill barriers while creating new economic opportunities. As a student-led design and build project, the group work spans from fundraising to exploration of novel architectural expression.

Through 1:1 scale iterative prototyping, the studio is targeting low-impact, low-cost, high-quality housing for urban contexts. In summer 2025, a demonstrator will be built in Ghana, laying the groundwork for a long term international engagement of the professorship.

First Meeting: 24.04.2025, (Bldg. 20.40, R 133)

Pin-Up: 26.06.2025

Excursion: 08.- 10 .05.2025

Submission/Presentation: 07.08.2025

Form: Individual work and teamwork

Focus of study: Building Technology

No prior knowledge is required.

V

### **The Chandigarh Challenge: Balancing Cultural Heritage and Future Urban Development (Nepl)**

1731086, SS 2025, 5 SWS, Language: German/English, [Open in study portal](#)

**Project (PRO)  
On-Site**

**Content**

Following the partition of British India into Pakistan and India in 1947 the government of India decided to build Chandigarh as a new capital for Punjab. The aim was to create a modern planned city that would represent the aspirations of the newly independent nation. This commission was given to Le Corbusier, who developed the renowned masterplan for Chandigarh together with his cousin Pierre Jeanneret and a team of Indian architects.

With a projected population increase of 35 % by 2035, the Chandigarh metropolitan region serves as an illustrative case study of dynamic urbanization in India. This leads to a conflict of interests between the aim to preserve the central part of the city and the urgent needs of future urban development. Would it have been in Le Corbusier's interest to design the city as a living museum or did the team of urban planners intend to create constantly renewing urban structure?

This studio will develop alternative scenarios for a balanced urban transformation, taking into account the pioneering character of Le Corbusier's masterplan, and examine answers for the city of the 21st century in terms of density, new housing and functional mix, sustainability and climate protection.

Appointment: Thu 9:45:00 am – 1:00 pm, Bldg. 11.40, R015

First Meeting: 24.04.2025, 10:00 am, Bldg. 11.40, R015

Pin-up: 22.05. and 03.07.2025

Presentation: 07.08.2025

Form: teamwork

Focus of study: Urban Design

Recommendation: at least 1 successful completions of a master design-project

V

### **Blue-Green Transformation. Reimagining Spinning Mill Area in Ettlingen.(Engel)**

1731160, SS 2025, 5 SWS, Language: German/English, [Open in study portal](#)

**Project (PRO)  
On-Site**

**Content**

Water is a central lifeline of the city – it is used to supply drinking water and irrigation, and is used for industrial processes and the transport of goods. Urban waterscapes offer places of peace and relaxation and shape the identity of a place. Nowadays, maintaining water quality, protecting against flooding and adapting to climate change pose major challenges for cities - including in Ettlingen. The spinning mill, located in the eastern part of the city on the Alb, played an important role in the city's economic development. Given the today economic turn towards service-based and innovation-driven sectors, the question arises as to how this historic industrial site can be transformed into a multifunctional district that promotes climate resilience, resource efficiency and ecological productivity.

In the design studio, innovative concepts for the spinning mill area are to be developed in the context of the overall urban development, which should see rainwater management, flood protection and water cycle use not only as a complex technological challenge, but also as a responsible design task and linked to ideas about urban greenery, biodiversity corridors and multifunctional open spaces.

The interdisciplinary studio is carried out together with the Chair of Hydraulic Engineering and Water Resources and in cooperation with the city of Ettlingen.

Appointment: Thu 09:00-13:00

First Meeting: Thu 24.04.2025, 10:00 am, 11.40 R013

Excursion: 24.04.25

Pin-Up: Thu 15.05.2025 , Do 03.07.2025

Submission: Tue 05.08.2025

Presentation: Thu 07.08.2025

Form: Group of 2 students/Individual work

Recommendation: -

Focus of study: Urban Design

**Think Garden (Schifferli)**

1731210, SS 2025, 5 SWS, Language: German/English, [Open in study portal](#)

**Project (PRO)  
On-Site**

**Content**

Gardens are physical manifestations and localizations of our understanding and investigations into the origin of the ideas of the sublime and the beautiful. They are instruments to bring us closer to the power and meaningfulness of nature and landscape and to make them measurable and thus tangible. As spatially located orders, they symbolize a wholeness. A metaphysical idea and the craft of cultura, which transcend the factual content and meaning of the ideal, give rise to places of imaginary power that grow beyond the beauty of reality. Freedom must be the goal of thought in order to venture into the immeasurable.

The students choose a location and design their garden.

1st meeting: Thu 24.04.25, 09:00 am., Building 11.40, Room 126

Regular appointment: weekly from Wed 9:00 am

Intermediate critique: 05.06.25, 10.07.25

Submission/presentation: 07.08.2025

Form of work: Individual work

Study focus: Urban planning

Number of participants: 16

**Love Me Two Times (Trachsler/Inderbitzin)**

1731260, SS 2025, 5 SWS, Language: German/English, [Open in study portal](#)

**Project (PRO)  
On-Site**

**Content**

Next semester we will be converting vacant infrastructure and industrial buildings and giving them a new, residential use. We are interested in whether these highly specific buildings have an inherent transformative power that we can use for a new interpretation.

Our landscapes are characterized by buildings of infrastructure and industry, they leave the traces of the Anthropocene on the earth's surface and are witnesses to a time of the uncanny growth of human capabilities.

But the unchecked dynamism of recent centuries is not a model for the future in a world of finite resources. Modern ruins bear witness to this: ski resorts without snow, factories without work, empty oil rigs, all robbed of their true purpose by social change, finite resources and climate change.

This substance that has come to a standstill, in its specific but meaningless form, invites us to playfully inherit it. How can we repurpose it for the needs of the next generation, preserving its grey energy and cultural value for the future?

We want to try to colonize these empty forms and design projects that offer resilient, collective ways of living and working.

The semester is accompanied by contributions and critiques from experts. The integrated specialization serves to lay the foundations and build knowledge for the design.

First Meeting: 24.4.2025, 10 am

(Bldg. 11.40, R 115)

Pin-Ups: to be announced

Mandatory excursion: Switzerland, date to be announced

Submission/Presentation: 7.8.2025

Form: Individual work or teamwork is possible

Languages: German/English is possible for the discussions of the projects

Study Specialization: Housing

Team: Gian Trachsler, Anna Schork, Maximilian von Zepelin, Niklas Nalbach

## T

## 4.11 Course: Design Project 1 [T-ARCH-107445]

**Responsible:** Studiendekan/in Architektur  
**Organisation:** KIT Department of Architecture  
**Part of:** M-ARCH-105670 - Building Design Project

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	12	Grade to a third	Each term	1

Events					
WT 24/25	1710111	S,M,L (Frohn)	5 SWS	Project (P / 🎯)	Frohn, Wasel, Streicher
WT 24/25	1710206	An homage to Auguste Perret's Le Havre(Morger)	5 SWS	Project (P / 🎯)	Morger, Zaparta, Schneider, Amon
WT 24/25	1710303	Poly-Seasonal Architecture 3 REDUNDANCY (Hartmann)	5 SWS	Project (P / 🎯)	Hartmann, Coricelli, Kadid, Vansteenkiste
WT 24/25	1710304	Almost Always Empty – Buildings for Cars (Schlösser/Kirchner)	5 SWS	Project (P / 🎯)	Brasanac, Schlösser, Kirchner
WT 24/25	1720503	Monastère Moderne: A Place of Contemplation (Entwurf Wappner)	5 SWS	Project (P / 🎯)	Wappner, Kochhan, Wang, Calavetta, Huismans, Häberle, Hörmann
WT 24/25	1720552	This is our House! Co-Operative Housing and Living in Berlin (Entwurf Klinge/Rambow)	5 SWS	Project (P / 🎯)	Klinge, Rambow, Michalski, Weber, Alkadi
WT 24/25	1720601	HIRZBERG+ - Micro-Multifunctional Room for a Kindergarten in Freiburg (Hebel)	5 SWS	Project (P / 🎯)	Hebel, Boerman
WT 24/25	1720609	Live.Zip - Unzip Resources (Müller)	5 SWS	Project (P / 🎯)	Müller, Gerteiser, Busse
WT 24/25	1720701	A new Market Hall for Karlsruhe (von Both)	5 SWS	Project (P / 🌀)	von Both, Seiler-Cuesta, Sartorius
WT 24/25	1720706	Simply Build Better - Theresienareal Pforzheim	5 SWS	Project (P / 🌀)	Koch, von Both, Seiler-Cuesta
WT 24/25	1720805	Common Futures - Reinterpreting African Vernacular Narratives for Digital Sustainable Construction	5 SWS	Project (P / 🎯)	Dörstelmann, Witt, Kranz
WT 24/25	1731260	Black Houses (Inderbitzin)	5 SWS	Project (P / 🎯)	Inderbitzin, Trachsler, Schork, von Zepelin, Nalbach
ST 2025	1710107	Bermuda Berlin (Frohn)	5 SWS	Project (P / 🎯)	Frohn, Wasel, Streicher
ST 2025	1710204	Borderline(s) Investigations #01 Economy and Excess, Lightness (Bru)	5 SWS	Project (P / 🎯)	N.N., Zaparta, Schneider, Amon
ST 2025	1710302	The Institutional Library: Beyond the Closed Archive (Hartmann)	5 SWS	Project (P / 🎯)	Hartmann, Kadid, Coricelli, Vansteenkiste, Zucchello
ST 2025	1710308	Find Your Darling! (Brüggen)	5 SWS	Project (P / 🎯)	Brasanac
ST 2025	1720601	Matthäus Vision - Transformation of the Matthäuskirche in Karlsruhe (Hebel)	5 SWS	Project (P / 🎯)	Hebel, Hirt, Yi
ST 2025	1720652	DOMINO CIRCULAR (Kaiser)	5 SWS	Project (P / 🎯)	Kaiser, Erlewein
ST 2025	1720701	Ensemble 30.x (von Both/Koch)	5 SWS	Project (P / 🌀)	von Both, Koch, Seiler-Cuesta

ST 2025	1720805	<b>Ghana Co-Lab: Co-creating Digital Pathways for Circular Construction in Kumasi (Dörstelmann)</b>	5 SWS	Project (P / 🎧)	Dörstelmann, Feldmann, Witt
ST 2025	1731260	<b>Love Me Two Times (Trachsler/ Inderbitzin)</b>	5 SWS	Project (P / 🎧)	Inderbitzin, Schork, von Zepelin

Legend: 🖥 Online, 🔄 Blended (On-Site/Online), 🎧 On-Site, ✕ Cancelled

### Competence Certificate

Other examination requirements consisting of an architectural design draft that is produced during the semester. Working on the design task is done, as a rule, individually; there are regular supervisions resp. corrections that take place. The progress monitoring occurs during the study course within the framework of one or more intermediate presentations as well as a final presentation. Here the produced results are portrayed and assessed in the form of drawings, models (analog and/or) digital, texts and talks. The duration of the presentation is approx. 20 minutes per project.

### Workload

360 hours

Below you will find excerpts from events related to this course:

V

**S,M,L (Frohn)**

1710111, WS 24/25, 5 SWS, Language: German/English, [Open in study portal](#)

**Project (PRO)**  
**On-Site**

### Content

The single-family home is probably the most contested architectural trope of modern housing. Beloved by many as the built expression of personal ambition and loathed by others as proof of everything that has gone wrong architecturally and urbanistically.

The criticism hints at problems on various scales:

The inability of the single-family home to adjust to changing family constellations and demographic shifts is a principal culprit for the ever-growing spatial footprint which has reached an all-time high of 48 sqm per capita in Germany.

The individual houses are embedded within a territory isolating the neighboring parties through strict legal and architectural borders while at the same time maximizing land use and minimizing biodiversity.

The sprawl and almost surgical separation from all social infrastructures and places of work entails a complete reliance on automobile mobility.

The studio will explore the potential to transform the existing suburban condition through strategic design interventions on the three above-mentioned scales.

We will focus on one cluster of homes along “Waschbärenweg” in the largest conglomerate of single-family homes in Germany along the border of Berlin and Brandenburg.

Appointment: Thursdays

1st meeting: Thu, 24.10.24, 14:00

Submission/Examination: TBD

Number of participants: max. 25 students

Language: German / English

Excursion: Berlin

V

**An homage to Auguste Perret's Le Havre(Morger)**

1710206, WS 24/25, 5 SWS, Language: German, [Open in study portal](#)

**Project (PRO)**  
**On-Site**

**Content**

An homage to Auguste Perret's Le Havre

Auguste Perret and his studio built a masterpiece of post-war architecture between 1945 and 1954 with the reconstruction of the Norman port city destroyed in the Second World War. Despite the integration of the traditional urban structure, the modern urban concept resulted in well-proportioned, open, and lively urban spaces. Concrete prefabrication was the fundamental principle; however, the result was an extremely diverse architecture ranging from outstanding representative buildings to intelligently balanced, beautiful housing floor plans. 20 Years after the city was inscribed on the UNESCO World Heritage List, new challenges have arisen in connection with its inner desiccation potential and the global climate crisis. The design class therefore searches for answers to these complex questions in terms of urban space, architecture, typology, and detailed design, intensively examines Auguste Perret's experiment and develops methods for a contemporary transformation through inspiration, imitation, interpretation, innovation. Lectures by external speakers complement the design course.

First meeting: 23.10.2024, 12:00 am, 20.40 R 113, Seminarraum Professur Gebäudelehre

Interim reviews 14.11.2024, 05.12.2024, 30.01.2025,

Compulsory excursion: 08.11.2024 – 10.11.2024, Le Havre

Submission/Exam 19.02.2025

Form: Individual work

Focus of study: Architectural and Cultural Heritage

V

**Poly-Seasonal Architecture 3 REDUNDANCY (Hartmann)**

1710303, WS 24/25, 5 SWS, Language: English, [Open in study portal](#)

**Project (PRO)  
On-Site**

**Content**

The Master's Studio will explore the principle of redundancy in architecture.

Redundancy can be generally defined as having at least 1 more choice, than the absolute minimum needed for the system not to fail. Multiple levels of redundancy in a system exponentially increases the number of possible choices, whilst also reducing its efficiency.

Redundancy is also a safety principle, commonly applied in the design of building structures or their fire safety (min. 2 routes of egress). It means a system will still work, even if part of it fails.

Buildings are often designed fit-to-purpose for a specific program and use, and for maximum efficiency, eliminating any redundancy where possible. This often results in difficulties adapting to changes and ending their lifespan prematurely.

Students will use architectural tools and methods to explore how redundancy affects topics of spatial organization, circulation, structure or envelope, throughout the development of the studio project:

You will design for possibilities rather than for programs.

You will assess the role of redundancy to make a building resilient to changes (of climate, context, use or otherwise)

You will analyze existing structures and exploit their inherent redundancies as well as introduce new levels of redundancy.

The site of the studio will be Strasbourg, where we will specifically focus on the European institutions which have had an important role in the development of the city since 1949.

Students will start with in-depth research on relevant reference projects, whilst building a skill-set of tools and methods to be applied to their design projects.

Simultaneously, students will compile a 'thick description' of the site.

The strategies distilled from this research will be applied to the site through adaptation and testing of anticipatory design strategies.

The projects will investigate the topic of redundancy and its application to the specific conditions of the site.

**Appointment:** Th. 10:00 AM - 05:30 PM, 20.40 R204 Zeichensaal

**First meeting:** 24.10.2024, 10:00 AM, Geb. 20.40 R204 Zeichensaal

**Excursion:** 09.-11.11.2024 / Strasbourg

**Final Presentations:** 20.02.2025

**Output:** individual or groups of two

V

**Almost Always Empty – Buildings for Cars (Schlösser/Kirchner)**

1710304, WS 24/25, 5 SWS, Language: German/English, [Open in study portal](#)

**Project (PRO)  
On-Site**

**Content**

Together we will look at a selection of existing buildings in the city of Berlin that are associated with (combustion) motorised private transport and have been heavily underused for a long time. With the transition from fossil fuels to renewable energies and the renegotiation of space requirements for different forms of mobility within urban society, in the near future a whole system of buildings can be transformed: Petrol stations, multi-storey car parks, parking decks, etc. will be up for disposition within the city.

With drawings the selected buildings and their surroundings will be recorded and analyzed as the basis for the design. Here we will deepen a special aspect of the new architectural interest in existing buildings: the value of the existing building is no longer measured only by its cultural status, but also by its potential to accommodate a spatial transformation and to develop a new architectural identity. In our studio we will explore this new value of the profane existing building. The aim is to understand what constitutes a resilient building and how future transformations and adaptations can be considered already during the design phase, whilst at the same time affirming an original architectural identity.

In terms of design the buildings of the car-orientated city will be transformed into urban houses: For living and working. Beyond the specific ideas for a new program the architectural designs will simultaneously be discussed according to their resilience to future changes, i.e. a certain neutrality of use. Based on the specifics of the existing buildings we are looking for architectures that give form to the social and ecological transformation.

**Appointment:** Th. 10:00 AM - 05:30 PM, R221, 20.40

**First meeting:** 24.10.2024, 10:00 AM, 20.40 R221

**excursion:** 09.11. - 11.11.2024 / Berlin

**Pin-Ups:** tba

**Form:** Individual work or teamwork

**Submission/Exam:** 20.02.2025



### **Monastère Moderne: A Place of Contemplation (Entwurf Wappner)**

1720503, WS 24/25, 5 SWS, Language: German/English, [Open in study portal](#)

**Project (PRO)  
On-Site**

**Content**

Monasteries have always been places of contemplation, silence and seclusion, where people retreat from the hustle and bustle of the world for a variety of reasons in order to find inner purification and peace through physical work, spiritual study and prayer. This traditional typology emerged as early as the 4th century from the idea of communal living together according to spiritual beliefs and from then on gained importance as a center of spiritual life not only in Christianity but also in many other cultures. The 'monastery' type, consisting of the sacred space at its heart, communal and meeting rooms, dormitories and outdoor agricultural facilities, has constantly adapted and changed over the course of history in line with the social and religious circumstances of its time.

Nowadays, the monastery as a purely religious institution has lost importance, as the number of religious communities continues to decline in modern, pluralistic society. In an increasingly secular society, more and more people are looking less for religious fulfillment and more for community, personal support and a meaningful activity. At the same time, there is a growing need for closeness to nature, peace and contemplation, far away from the hectic pace of modern life. The type of monastery is thus being reinterpreted worldwide - no longer just as a place of strict religious practice, but now as a non-denominational, protected retreat. A space for inner contemplation, time out, new communities, but also creative work and sensory perceptions.

Enriched by an excursion to historical monastery architecture in the region, we want to explore the question of how this millennia-old typology can be given a contemporary and forward-looking architectural expression with a new identity as a newly interpreted architectural structure.

Regular appointment: Thu 14:00-18:00

1st meeting on 24.10.2024 at 10:00 in R240

Intermediate critique 1: 28.11.2024

Intermediate critique 2: 16.01.2025

Final presentation: 20.02.2025

Compulsory excursion: 07.11.2024

Form of work: individual work

**Organizational issues**

nach Vereinbarung



### **This is our House! Co-Operative Housing and Living in Berlin (Entwurf Klinge/Rambow)**

1720552, WS 24/25, 5 SWS, Language: German/English, [Open in study portal](#)

**Project (PRO)  
On-Site**

**Content**

The non-profit JOANES Foundation is organizing a competition for students for the first time for winter semester 24/25: Under the title "What do people do when they live?", a cooperative residential building with commercial space on the first floor is to be planned for a real property in Berlin. Projects selected by a jury will be further developed in a workshop process and the best entry will be realized. We are looking for a realistic utopia. Fundamental questions of coexistence in the city are to be addressed as well as sustainable construction concepts. The competition places great value on thorough research, comprehensible presentation and justification of the design decisions and a clear focus on human needs. Interdisciplinary approaches are expressly encouraged. In this joint design studio of the professorships "Construction and Design" and "Architectural Communication", we want to take up these demands with maximum seriousness and examine the topic of urban communal living from a design, constructive, ecological, economic, sociological and psychological perspective. We want to use a variety of research and documentation methods to develop forward-looking solutions that enable a diverse group of residents to say: This is our house! (Ton, Steine, Scherben: "Rauch-Haus-Song", 1972)

**Dates:**

Regular appointment: Thu 09:00-13:00

1. Meeting on 24.10.2024, 09:00 (Building 20.40, R240)

Intermediate critique 1: 05.12.2024

Intermediate critique 2: 23.01.2025

Submission/presentation: 20.02.2025

Compulsory excursion: Probably 09.11. - 11.11.2024

Form of work: Individual or group work (teams of 2)

Study focus: Construction technology

V

**HIRZBERG+ - Micro-Multifunctional Room for a Kindergarten in Freiburg (Hebel)****Project (PRO)  
On-Site**1720601, WS 24/25, 5 SWS, Language: German/English, [Open in study portal](#)**Content**

The 'Haus für Kinder am Hirzberg' in Freiburg is characterised by its proximity to nature, built structures that have grown over time and space and an open room concept. In two existing buildings on a slope, which are connected by an intermediate building for access, the educational work of the team takes place in a homely atmosphere on different levels and always in close relation to the outdoors. The existing structure is complemented by a courtyard for the children to play in, which is protected by a small wooden tool shed facing the valley.

The kindergarten is now to be extended on its own site with a micro-multifunctional space, which is the focus of the semester assignment and which will subsequently be realised in cooperation with an architectural office based in Freiburg. The room will serve as a common and study room for staff as well as a room for curative education programmes and parent meetings. As the site is located within the "Roßkopf-Schloßberg" landscape conservation area, the preservation of the surrounding trees and copses as well as the protected wetland complex is an important design requirement. Particular importance is also attached to the spatial relationship between the existing buildings on the Hirzberg slope and the new spatial structure that is being created towards the valley, which should fit into the local landscape and provide a cosy atmosphere for the kindergarten staff.

The design is aiming for a detailed examination of the resulting environmental effects, building economics, structural engineering and building physics issues, as well as the use of resource-friendly, pure building materials such as renewable and secondary building materials, sustainable, circular construction methods and their design-related effects on function and aesthetics with planning up to a scale of 1:1.

First Meeting: 24.10.2024, 09.30 am (Bldg. 20.40, R 208)

Excursion: 15.11.2024, Freiburg

Pin-Up: 11.12.2024

Submission: 19.02.2025

Presentation: 21.02.2025

Form: Teamwork

V

**Live.Zip - Unzip Resources (Müller)****Project (PRO)  
On-Site**1720609, WS 24/25, 5 SWS, Language: German, [Open in study portal](#)

**Content**

To rewrite buildings that have fallen out of use in the spirit of the Bauwende requires care. Care that, in addition to analysing the architectural and material substance, develops an understanding of the local building culture and social conditions. Critically scrutinising existing ideas for subsequent use and formulating counter-concepts that are supported by arguments are fundamental.

This semester, we focus on a typical 70s building complex in the city of Karlsruhe. These post-war structures, associated with structuralism, are characterized by their strict grid layout and horizontal façade design. Such buildings offer significant potential for adaptive reuse and serve as examples for numerous similar types.

The current plan for the site involves demolishing the existing structures to make way for dense residential development. We will counter this scenario with an alternative proposal.

We set ourselves the challenge of developing and representing a sensible (residential) use in and around the existing buildings by means of reorganisation, addition and subtraction.

1st meeting: 24.10. 2024, (Bldg. 11.40, R026

Mid critiques: to be announced

Excursion: 10 - 11.11.2024, Basel

Submission/Presentation: 20.02.2025

Form: groups of 2

Focus of study: Architectural and Cultural Heritage

V

**A new Market Hall for Karlsruhe (von Both)**

1720701, WS 24/25, 5 SWS, Language: German, [Open in study portal](#)

**Project (PRO)**  
**Blended (On-Site/Online)**

**Content**

Market halls are multifunctional spaces whose significance extends far beyond their original commercial function. They serve as central hubs of social life and cultural exchange, while also making an important contribution to sustainable urban development and regional production cycles.

On the site of today's Badisches Staatstheater in the Südstadt district, there stood a market hall built in 1934, which remained until the 1970s. This hall was a key component of the city's commercial infrastructure and an important social gathering place, also serving cultural purposes. For instance, in 1967, the 15th "Exhibition Karlsruhe" of the German Artists Association was held in the old market hall in cooperation with the Badischer Kunstverein.

In 1970—during a time when other retail concepts like large shopping centers on the outskirts (Big Box Stores) were favored—the market hall was closed, and the building was demolished to make way for the construction of the Badisches Staatstheater. Citizens were promised a replacement, but this was only partially fulfilled with the "Großmarkt Karlsruhe" on Weinweg, located further out, which served a very limited customer base (commercial resellers).

As evidenced by the current challenges faced by department store chains and the high vacancy rates in traditional retail spaces in pedestrian zones, shopping and consumption behaviors have changed significantly. Consumers increasingly value unique shopping experiences, sustainability, and quality over the purchase of mass-produced goods when shopping in person.

As part of this design project, the potential of market halls—with their flexible offerings compared to traditional department stores, their proximity to customers, and their sustainable regional production cycles—will be explored. Can they provide an alternative concept to the highly commercialized shopping malls by offering an authentic and regional shopping experience, as well as integrating social and cultural offerings and services, thereby supporting the local economy and craftsmanship?

Building on a general potential analysis of the "market hall" typology, a sustainable usage concept (spatial program) will be developed for the Karlsruhe location. This concept will derive its added value from the synergies of trade combined with other offerings, such as sociocultural and culinary services, while enabling regional food systems. Additionally, a suitable location in Karlsruhe, aligned with the usage concept, will be identified. The planning implementation will be carried out in close coordination with the Chair of Building Technology (Prof. Dr. Rosemarie Wagner) at a scale appropriate to the project size.

Examination of Other Types / Special Examination

**Regular meetings:** Thu. 09:00 am -13:00 pm

**First meeting:** Thursday, den 10/24/2024, 9:00 am, Seminar Room BLM

**Submission/Exam:** Thursday, 02/20/2025

**Organizational issues**

Master

**Regeltermin:** Do. 09:00-13:00 Uhr**1. Treffen:** Donnerstag, den 24.10.2024, 9:00 Uhr, Seminarraum BLM**Prüfungstag:** 20.02.2025**Regular meetings:** Thu. 09:00 am -13:00 pm**First meeting:** Thursday, den 10/24/2024, 9:00 am, Seminar Room BLM**Submission/Exam:** Thursday, 02/20/2025

V

**Simply Build Better - Theresienareal Pforzheim**1720706, WS 24/25, 5 SWS, Language: German/English, [Open in study portal](#)**Project (PRO)  
Blended (On-Site/Online)****Content**

Building in Germany is too complicated and too expensive. In our design work, we address these problems and fundamentally rethink the design, planning and operation of buildings.

To this end, we analyze and evaluate the established processes, roles and rules of today's construction and, building on this, develop innovative structures for more effective processes in the planning and operation of buildings. To this end, we introduce AI, lean construction and distributed ledger methods and apply them to architectural processes. Their concepts should ultimately enable significantly cheaper and more effective properties while maintaining the same quality criteria and supporting sustainable management.

The Theresienareal in the "Arlinger district" in Pforzheim serves as a planning example. We are planning a building ensemble with an integrated daycare center, apartments suitable for senior citizens and daycare on a 2,700 sqm site. In this context, we are also exploring the principles of cooperative building and receiving feedback from a local building cooperative.

Other types of examination

**Regular meetings:** Thursdays 9:00 am - 13:00 pm**First meeting:** Thursday, 10/24/2024, 09:00 pm, BLM**Submission/Exam:** Wednesday, 02/19/2025, BLM

V

**Common Futures - Reinterpreting African Vernacular Narratives for Digital Sustainable Construction**1720805, WS 24/25, 5 SWS, Language: English, [Open in study portal](#)**Project (PRO)  
On-Site**

**Content**

A global transformation towards a circular economy requires local changes in the construction sector. A large proportion of future global construction activity will take place in growth regions, which therefore offer the greatest potential for avoiding emissions. Digital design and manufacturing methods can enable innovative concepts for the use of renewable and natural materials in construction, thus opening up solutions to these global challenges based on digital and circular construction methods.

The potential of digital technologies for sustainable construction must be redefined and researched in each case from the specific local socio-economic, climatic and architectural context. In this studio, we are focusing on the African continent in order to learn from the heterogeneous cultural and architectural approaches of traditional construction methods in different African regions.

We develop experimental concepts of circular construction in dialogue with local partners and assess their transformation potential in terms of both prototypical implementation and their chances of bringing about long-term sustainable change towards climate-friendly construction.

The collective insights gained from the studio will be applied in the context of a construction week in Africa in summer 2025, in preparation for a longer-term international engagement of the professorship.

First Meeting: 24.10.2024, (Bldg. 20.40, R 133)

Pin-Up: 19.12.2024

Excursion: 09.-11.11.2024

Submission/Presentation: 20.02.2025

Form: Individual work and teamwork

**Focus of study: Building Technology**

No prior knowledge is required.

**Black Houses (Inderbitzin)**

1731260, WS 24/25, 5 SWS, Language: German, [Open in study portal](#)

**Project (PRO)  
On-Site**

**Content**

Next semester we will be designing large wooden houses. We want to explore an architecture in which time and material are expressively interwoven. The temporal dimension is particularly apparent in wood: in the annual rings of a tree trunk, in the shape of a wooden joint, or in the charring of continuous weathering by sun, wind and rain.

Irrespective of whether a house is conceived as permanent or ephemeral, we assume a non finito for the projects, i.e. buildings without completion, use and decay. The linear understanding of time gives way to a cyclical one, which is why the ongoing construction, maintenance and care of the houses also becomes formative. We are talking about open forms in which change is inherent. And structures with components that have different functions and meanings: load-bearing, separating, protective and symbolic, as well as durable and ephemeral woods.

The starting point for the design of the large wooden houses is the tree trunk, which is sawn into beams, planks and boards. In experimental trials on the model, the unglued timbers are joined to form load-bearing and spatial structures for living and working.

The semester is accompanied by contributions and critiques from experts. The integrated specialisation serves to lay the foundations and build the knowledge for design. On the excursion to Switzerland we will have a look at some wooden houses.

First Meeting: 24.10.2024, 10 am (Bldg. 11.40, R 115)

Pin-Ups: to be announced

Mandatory excursion: Switzerland

Submission/Presentation: 20.2.2025

Form: Individual work or teamwork is possible

English is possible for the discussions of the projects

**Bermuda Berlin (Frohn)**

1710107, SS 2025, 5 SWS, Language: German/English, [Open in study portal](#)

**Project (PRO)  
On-Site**

**Content**

Suburbia was born as a dream - a utopia promising individual space, comfort, and a better life. As a retreat from the chaos of the city, it offered the ideal home, the perfect lawn, and the promise of community.

But somewhere along the way, the hopeful dream could no longer escape its doubtful reality. Sprawl replaced country side, the escape from the city turned into endless commutes, and the lack of shared spaces drained its social core.

Building upon the work conducted during the last semester this studio continues to rethink suburbia – this time not on the scale of the individual home and its garden, but as a site for radical infrastructural intervention.

Based on a series of different urban readings we will challenge conventional suburban planning and propose new spatial strategies for a more connected, inclusive and resilient suburbia.

Our site of investigation continues to be the Mahlsdorf, Kaulsdorf and Biesdorf quarters of Berlin, which constitute Germany's largest single-family housing development.

The goal of the studio is to develop architectural interventions that rethink shared social infrastructures, exploring spatial and programmatic strategies to transform suburbia.

1st meeting: Thu, 24.04.25, 14:00

Submission: Thu, 07.08.25

Excursion: Berlin

V

**Borderline(s) Investigations #01 Economy and Excess, Lightness (Bru)**

1710204, SS 2025, 5 SWS, Language: German/English, [Open in study portal](#)

**Project (PRO)**  
**On-Site**

**Content**

Borderline(s) Investigations #01

- Economy and Excess

**LIGHTNESS**

Travelling lightly means leaving with the bare minimum, arriving safely and discreetly in an unknown place and then keeping your eyes wide open to carefully modulate your daily life to this new environment. Lightweight construction is inspired by this traveler's ethics. With this in mind, we set up only as little as possible, land safely and discreetly on a site that is unfamiliar to us and then keep our eyes wide open to carefully modulate our project to this new environment. We are well aware that, by its very nature, architecture does not escape gravity, but it is possible to restrict the meaning of the term. There is no obligation on us to make our architecture "severe" in the solemn sense. On the contrary, it can only be satisfied with a few traces, firm enough to define a place, a space, a use, while leaving as many free appropriations and potential transformations as possible. Lightness is not an ideal, but rather a form of accessible politeness. It means considering the material from an economic point of view and thus paying tribute to its efficiency. It is a direct and pragmatic approach to implementation, without frills and in the full expressiveness of constructive modes. But by dint of lightness, would this architecture "more vague and more soluble in the air, with nothing in it that weighs or poses" (to use Paul Verlaine's words in Art Poétique) go so far as to take the risk of evaporation, even pure and simple disappearance? On the contrary, it is the human scale that will bring this architecture back "down to earth". In fact, lightweight construction is above all not to forget how the combined sciences of space and construction can offer mental "extensions" to our body envelop.

**Introduction:** Mon 14.04.2025

**1st meeting:** Thu 24.04.2025, bldg. 20.40, R113 Seminar room GBL

**Field trip:** Thu 01.05. – Sat 03.05.2025

**Submission of plans/models:** Thu 07.08.2025

**Final presentation:** Thu 07.08.2025

**Event format:** On-Site

**Form:** Individual work

**Language:** German/English

V

**The Institutional Library: Beyond the Closed Archive (Hartmann)**

1710302, SS 2025, 5 SWS, Language: German/English, [Open in study portal](#)

**Project (PRO)**  
**On-Site**

**Content**

The private, institutional or specialized library, contrary to the public library, is a curated collection of books. Akin to the private art collection, the material sample library, the museum storage or the archive, its main purpose is the collection, preservation and making accessible of specialized or thematic information.

The advent of digitization and AI data mining makes these vast repositories exponentially more accessible. In opposition to the public library today, this physical storage is the most prominent component of the specialized library, yet its content or even its physical presence remains mostly unseen.

When previously the book was the main storage medium of information, today this has expanded to digital media on the one hand and physical objects on the other.

What impact does this evolution have on the physical form of the repository? How can these vast amounts of matter be made visible and accessible and also define their spatial environment? What spatial strategies can inform the spaces for its users as well as the broader public and the city?

We will focus on the Dreispitz area at the urban edge of Basel. The area was developed since the early 20th century as a 'Zollfreilager', characterized by material storage depots and light manufacturing, organized in linear plots interspersed by railway lines. Recent introductions of academic and cultural institutions such as the art and design schools and multiple museums are catalyzing the transformation of the area, as well as current and future housing developments.

This context, where cultural production, academia and the depot exist side by side is a fertile environment to explore the topic at hand. The area is already home to multiple institutions housing specialized 'collections' such as the Schaulager Laurenz Foundation, the HEK, the Bauteilbörse or the Herzog & de Meuron Kabinett.

Students will start with in-depth research on relevant reference projects, whilst building a skill-set of tools and methods to be applied to their design projects. Simultaneously, students will build a thick description of the site and the topic.

The strategies distilled from this research will be applied to the site through adaptation and testing of anticipatory design strategies, and further developed in projects.

**Appointment:** Weekly - Thursdays, 9:45 AM-5:15 PM, R204 , 20.40

**First meeting:** 24.04.2025 at 10.00h, Geb. 20.40-R204

**Excursion: Basel,** 25.04.2025-27.04.2025

**Final Presentations:** 07.08.2025

**Output:** Group and Individual work

**Find Your Darling ! (Brüggen)**

1710308, SS 2025, 5 SWS, Language: German, [Open in study portal](#)

**Project (PRO)  
On-Site**

**Content**

The aim of the semester is to design a specific project as an initiative. In times of climate crisis, it is no longer enough to simply plan and build efficiently and ecologically in order to minimise damage to the environment. Instead, we want to engage proactively in the regeneration of the climate and the improvement of our immediate environment.

The initiatives are proposals and visions for existing structures. They are improvements to the Earth on a small and tangible scale.

The students and the department become agents for change in the practice of architecture, society and the built environment. We analyse existing buildings in Karlsruhe or the surrounding area, problems and potentials. We follow our intuition, our dreams and desires - and develop ecological projects as proposals for society.

The work process is divided into three phases: 1. find - identification of a location with potential (darling) 2. analyse - investigation of the structural and social contexts, 3. initiative - development of a concept as a proposal and implementation of the initiative. We work with 3D scans to analyse the objects and films to document the social, political and economic structures.

During the *Find your Darling* semester, we want to share the initiatives with the non-university context and support and encourage everyone to implement them.

**Appointment:** Thu 9:45 AM-5:15 PM

**First meeting:** 24.04.2025., 10.00 AM, Building 20.40, R221

**Excursion:** tbd

**Final Presentation:** 07.08.2025

**Output:** group work and individual work

**Matthäus Vision - Transformation of the Matthäuskirche in Karlsruhe (Hebel)**

1720601, SS 2025, 5 SWS, Language: German, [Open in study portal](#)

**Project (PRO)  
On-Site**

**Content**

The architectural heritage of Christian churches still shapes the cultural landscape of Europe today and plays a central role in the collective memory of many cities. However, as a result of alienation from urban society, a decline in church membership and the associated shortage of capital, vacant churches are becoming increasingly common. In order to address this issue, this semester's design task is to develop concepts for the future use and conversion of German churches, using the Matthäuskirche in Karlsruhe as an example.

The Matthäuskirche by the architect Hermann Alker is an important example of architectural history in Karlsruhe. Built as an emergency church in the 1920s after the First World War, it is characterized by its constructive solutions. A symposium at the beginning of the semester will provide an introduction to Karlsruhe church buildings, strategic issues in the course of church conversions and conservation challenges. A site visit is also planned as part of this event.

The design studio will focus on analyzing the existing building, understanding its structural and functional potential and developing concepts for further use. Short-term and long-term subsequent use scenarios are to be examined in order to develop a conversion or reuse solution that preserves the historical substance. The design should take particular account of the use of resource-saving building materials and sustainable construction methods. The work will be carried out in groups of two.

Wednesdays and Thursdays in the studio (building 20.40, R 203, 2.OG)

First Meeting: 24.04.2025

Symposium and Excursion: 08.05.2025

Submission: 06.08.2025

Presentation: 06.08.2025

V

**DOMINO CIRCULAR (Kaiser)**

1720652, SS 2025, 5 SWS, Language: German, [Open in study portal](#)

**Project (PRO)**  
**On-Site**

**Content**

The Weissenhof settlement on Stuttgart's Killesberg is one of the most important representatives of Neues Bauen in Germany. It will celebrate its 100th anniversary at the International Building Exhibition 2027 (IBA'27). To mark this anniversary, we would like to build on the experimental character of the settlement and the pioneering spirit of the time.

As part of the master design, you will explore the limits of circular construction methods in housing, reversing the usual linear design process. You will develop the design from the detail. The timber construction you use comes mainly from a deconstructed donor building and is thus to be given a second life cycle. Supplemented by natural building materials such as straw and clay, the result is an extremely flexible and completely circular living structure.

Two real properties are available to demonstrate scalability: Small-scale on a small plot of land in Stuttgart and large-scale in a newly developed residential area.

In the coming semesters, one of your designs will be developed in more detail and implemented as a 1:1 demonstrator with a group of students as part of the IBA'27.

From the summer semester of 2025, spacious workshop areas in Karlsruhe's Weststadt will be available to you to test the ideas you have developed in practice. A day trip with a site visit is planned.

We recommend attending the accompanying seminars "Building with Straw - Basics" and "Building with Straw – Practical Laboratory".

First Meeting: 24.04.2025, (TBD)

Pin-Up: TBD

Excursion: Stuttgart, Datum TBD

Submission/Presentation: KW32

Form: Teamwork in groups of two

Focus of study: Building Technology

V

**Ensemble 30.x (von Both/Koch)**

1720701, SS 2025, 5 SWS, Language: German, [Open in study portal](#)

**Project (PRO)**  
**Blended (On-Site/Online)**

**Content**

The central building complex of the Faculty of Electrical Engineering at KIT is located in the immediate vicinity of the Faculty of Architecture. It was built in the 1960s and no longer meets the requirements of an innovative and scientific working environment in terms of layout, utilization options, character, and possibilities. In close cooperation with the Dean's Office of the Faculty, you will develop an entirely new building structure and design a sustainable and inspiring learning and research environment. The supporting structures of building 30.xx, with the exception of the high-voltage hall 30.36, are to be retained if possible but combined into a functioning and creative overall structure.

First Meeting: Thursday, 24.04.2025, 9:00 am, Seminar Room BLM

Appointment: Thursdays, 09:00 am - 01:00 pm

Exam: Tue, 05.08.2025, 09:00 am

Submission: Upload/submit design documents in Ilias by Friday, 01.08.2025, am

Number of Participants: 15

V

### Ghana Co-Lab: Co-creating Digital Pathways for Circular Construction in Kumasi (Dörstelmann)

1720805, SS 2025, 5 SWS, Language: English, [Open in study portal](#)

**Project (PRO)  
On-Site**

**Content**

A global shift toward a circular economy demands local construction changes. Especially regions with rising urbanization and associated construction activity, such as coastal west Africa, pose challenges and opportunities to reduce construction emissions. Reinterpreting the potential of digital construction technologies in the local socio-economic context of Ghana, the studio aims to explore context-specific building technologies for circular construction.

In regular exchange with multi-disciplinary students from the Kwame Nkrumah University of Science and Technology (KNUST) in Kumasi, Ghana, this design studio develops a sustainable construction concept from the previous studio Common Futures into an applicable construction system.

Centered around preparing a joint mockup in Kumasi, it merges local materials with digital tools—reducing scaling hurdles, costs, and skill barriers while creating new economic opportunities. As a student-led design and build project, the group work spans from fundraising to exploration of novel architectural expression.

Through 1:1 scale iterative prototyping, the studio is targeting low-impact, low-cost, high-quality housing for urban contexts.

In summer 2025, a demonstrator will be built in Ghana, laying the groundwork for a long term international engagement of the professorship.

First Meeting: 24.04.2025, (Bldg. 20.40, R 133)

Pin-Up: 26.06.2025

Excursion: 08.- 10 .05.2025

Submission/Presentation: 07.08.2025

Form: Individual work and teamwork

Focus of study: Building Technology

No prior knowledge is required.

V

### Love Me Two Times (Trachsler/Inderbitzin)

1731260, SS 2025, 5 SWS, Language: German/English, [Open in study portal](#)

**Project (PRO)  
On-Site**

**Content**

Next semester we will be converting vacant infrastructure and industrial buildings and giving them a new, residential use. We are interested in whether these highly specific buildings have an inherent transformative power that we can use for a new interpretation.

Our landscapes are characterized by buildings of infrastructure and industry, they leave the traces of the Anthropocene on the earth's surface and are witnesses to a time of the uncanny growth of human capabilities.

But the unchecked dynamism of recent centuries is not a model for the future in a world of finite resources. Modern ruins bear witness to this: ski resorts without snow, factories without work, empty oil rigs, all robbed of their true purpose by social change, finite resources and climate change.

This substance that has come to a standstill, in its specific but meaningless form, invites us to playfully inherit it. How can we repurpose it for the needs of the next generation, preserving its grey energy and cultural value for the future?

We want to try to colonize these empty forms and design projects that offer resilient, collective ways of living and working.

The semester is accompanied by contributions and critiques from experts. The integrated specialization serves to lay the foundations and build knowledge for the design.

First Meeting: 24.4.2025, 10 am

(Bldg. 11.40, R 115)

Pin-Ups: to be announced

Mandatory excursion: Switzerland, date to be announced

Submission/Presentation: 7.8.2025

Form: Individual work or teamwork is possible

Languages: German/English is possible for the discussions of the projects

Study Specialization: Housing

Team: Gian Trachsler, Anna Schork, Maximilian von Zepelin, Niklas Nalbach

## T

## 4.12 Course: Design Project Urban Planning 1 [T-ARCH-107343]

**Responsible:** Studiendekan/in Architektur  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-105671 - Urban Design Project](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	12	Grade to a third	Each term	1

Events					
WT 24/25	1731058	<a href="#">My Neighbourhood, My Street, My Block. Urban Scenarios for Freiburg Dietenbach (Neppl)</a>	5 SWS	Project (P /  )	Neppl, Krüger, Hetey
WT 24/25	1731160	<a href="#">Matiçan / Pristina. Transform for Resilience (Engel)</a>	5 SWS	Project (P /  )	Engel, Lev, Song
WT 24/25	1731210	<a href="#">Urban Block Passagehofquartier – From Karlsruhe's Backyard to the Urban Quarter of the Future (Bava)</a>	5 SWS	/ 	Bava, Ehmann, Seitz
ST 2025	1731086	<a href="#">The Chandigarh Challenge: Balancing Cultural Heritage and Future Urban Development (Neppl)</a>	5 SWS	Project (P /  )	Neppl, Giralt
ST 2025	1731160	<a href="#">Blue-Green Transformation. Reimagining Spinning Mill Area in Ettlingen.(Engel)</a>	5 SWS	Project (P /  )	Engel, Kannen
ST 2025	1731210	<a href="#">Think Garden (Schifferli)</a>	5 SWS	Project (P /  )	Schifferli, Zuber

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

### Competence Certificate

Other examination requirements consisting of an urban design project that is produced during the semester. Working on the design task is done, as a rule, individually; there are regular supervisions resp. corrections that take place. The progress monitoring occurs during the study course within the framework of one or more intermediate presentations as well as a final presentation. Here the produced results are portrayed and assessed in the form of drawings, models (analog and/or digital), texts and talks. The duration of the presentation is approx. 20 minutes per project.

Below you will find excerpts from events related to this course:

## V

### My Neighbourhood, My Street, My Block. Urban Scenarios for Freiburg Dietenbach (Neppl)

Project (PRO)  
On-Site

1731058, WS 24/25, 5 SWS, Language: German, [Open in study portal](#)

**Content**

The shortage of affordable housing has been one of the most urgent issues for years. To address the housing crisis, the city of Freiburg plans a new urban neighbourhood for 16.000 residents.

The existing framework development plan (Rahmenplan) Freiburg Dietenbach serves as the background and starting point for the design course. With the recent publication of the first land-use plan (Bebauungsplan), the urban extension project Dietenbach is at the intersection between urban design and architecture.

The design course aims to analyse, reinterpret, and further develop the existing framework plan into a new urban neighbourhood and, in a second phase, to develop a detailed architectural concept. The concept of the open block anchored in the framework development plan serves as the design guideline for the course. It offers different building typologies, architectural diversity and flexible floor plans.

The design course will focus on the urban and architectural impact of different typologies and their floor plans and facades, as well as the transition and connection between architecture, urban planning and open space planning.

Regular date:	Thu, 9:45 am-1:00 pm, Bldg.11.40, R015
1st meeting:	24.10.2024
Interim critique:	05.12.2024 and 16.01.2025
Mandatory meeting:	31.10.2024 Introduction workshop and site visit
Submission/examination:	20.02.2025
Form:	Teamwork (groups of 2 or 3)
Study focus:	Urban design
Recommendation:	at least 1 completed design

**Matiçan / Pristina. Transform for Resilience (Engel)**

1731160, WS 24/25, 5 SWS, Language: English, [Open in study portal](#)

**Project (PRO)  
On-Site**

**Content**

Pristina is struggling with many crises. After the collapse of the socialist planned economy and the end of the war in the former Yugoslavia, Pristina experienced a period of extensive and uncontrolled construction activity. The rapidly growing population led to a housing shortage. There are few usable public spaces, many squares are neglected, and there is a lack of places for recreation as well as green and retention areas. The transport infrastructure is completely overloaded. A lack of governance structures and weak institutions encourage corruption and illegal developments. At the same time, Pristina has developed into a center of creativity and innovation. With a vibrant creative scene, it has become a major attraction in Kosovo, especially for young people.

Matiçan, a suburban neighborhood 3 km southeast of the city center, has also grown rapidly in recent years without a coherent plan and suffers from a lack of social and technical infrastructure. The studio's task is to develop strategies and concepts for the resilient development of Matiçan at different scales. Part of the studio is an excursion in November 2024 that will be financially supported by the DAAD. The workshop in Pristina is organized in cooperation with the University of Pristina, the University for Business and Technology (Pristina), and the Odessa State Academy of Civil Engineering and Architecture.

Appointment: Thu

First Meeting: Thu 24.10.2024, 10:00, 11.40 R013

Excursion: about 8 days in the period from 07.11. to 14.11.2024

Pin-Up: Thu 05.12.2024, Tue 21.01.2025

Submission: Wed 19.02.2025

Presentation: Thu 20.02.2025

Form: Individual work, Teamwork (2)

Focus of Study: Urban Design

Number of Participants: 15+2 (BA/MA)

**Urban Block Passagehofquartier – From Karlsruhe's Backyard to the Urban Quarter of the Future (Bava)**

1731210, WS 24/25, 5 SWS, Language: German, [Open in study portal](#)

**On-Site**

**Content**

Karlsruhe's city center has a wide range of cultural, gastronomic and retail offerings, is well connected by public transport and yet is experiencing an identity crisis. The mobility transformation, climate change and digitalization are changing the perception of urban space and, especially against the backdrop of climate change; dense building structures and the high degree of sealing pose a challenge. And changing social habits are increasingly calling the city center into question as a center of consumption. How can a city center remain lively and diverse in the future? What qualities do the heterogeneous "back sides" of the city center offer in a planned city like Karlsruhe? How can the diverse requirements and high pressure of use in a city center be managed in such a way that high-quality and sustainable urban spaces and districts are nevertheless created?

Based on a detailed analysis of the historical, spatial and use-specific development of Karlsruhe's city centre districts, the Passagehof is to be developed as a future-oriented and exemplary urban building block. The objective is to develop concrete and implementable concepts for the very diverse public space: the aim is to harmonise private and public interests as well as social and commercial functions in the urban space in order to create stable urban ecosystems that can develop their resilience, liveability and charm from within and radiate into the neighbouring city space in a specific way.

First Meeting: Thu 24.10.24 14:00,

Bldg. 11.40, Room 122

1.PinUp: Thu 21.11.24 10:00

2.PinUp: Thu 19.12.24 10:00

Submission/Exam: Thu 20.02.25 10:00

Form: Groups of two people

Focus of study: Urban Design

**V**

### **The Chandigarh Challenge: Balancing Cultural Heritage and Future Urban Development (Neppl)**

1731086, SS 2025, 5 SWS, Language: German/English, [Open in study portal](#)

**Project (PRO)  
On-Site**

**Content**

Following the partition of British India into Pakistan and India in 1947 the government of India decided to build Chandigarh as a new capital for Punjab. The aim was to create a modern planned city that would represent the aspirations of the newly independent nation. This commission was given to Le Corbusier, who developed the renowned masterplan for Chandigarh together with his cousin Pierre Jeanneret and a team of Indian architects.

With a projected population increase of 35 % by 2035, the Chandigarh metropolitan region serves as an illustrative case study of dynamic urbanization in India. This leads to a conflict of interests between the aim to preserve the central part of the city and the urgent needs of future urban development. Would it have been in Le Corbusier's interest to design the city as a living museum or did the team of urban planners intend to create constantly renewing urban structure?

This studio will develop alternative scenarios for a balanced urban transformation, taking into account the pioneering character of Le Corbusier's masterplan, and examine answers for the city of the 21st century in terms of density, new housing and functional mix, sustainability and climate protection.

Appointment: Thu 9:45:00 am – 1:00 pm, Bldg. 11.40, R015

First Meeting: 24.04.2025, 10:00 am, Bldg. 11.40, R015

Pin-up: 22.05. and 03.07.2025

Presentation: 07.08.2025

Form: teamwork

Focus of study: Urban Design

Recommendation: at least 1 successful completions of a master design-project

**V**

### **Blue-Green Transformation. Reimagining Spinning Mill Area in Ettlingen.(Engel)**

1731160, SS 2025, 5 SWS, Language: German/English, [Open in study portal](#)

**Project (PRO)  
On-Site**

**Content**

Water is a central lifeline of the city – it is used to supply drinking water and irrigation, and is used for industrial processes and the transport of goods. Urban waterscapes offer places of peace and relaxation and shape the identity of a place. Nowadays, maintaining water quality, protecting against flooding and adapting to climate change pose major challenges for cities - including in Ettlingen. The spinning mill, located in the eastern part of the city on the Alb, played an important role in the city's economic development. Given the today economic turn towards service-based and innovation-driven sectors, the question arises as to how this historic industrial site can be transformed into a multifunctional district that promotes climate resilience, resource efficiency and ecological productivity.

In the design studio, innovative concepts for the spinning mill area are to be developed in the context of the overall urban development, which should see rainwater management, flood protection and water cycle use not only as a complex technological challenge, but also as a responsible design task and linked to ideas about urban greenery, biodiversity corridors and multifunctional open spaces.

The interdisciplinary studio is carried out together with the Chair of Hydraulic Engineering and Water Resources and in cooperation with the city of Ettlingen.

Appointment: Thu 09:00-13:00

First Meeting: Thu 24.04.2025, 10:00 am, 11.40 R013

Excursion: 24.04.25

Pin-Up: Thu 15.05.2025 , Do 03.07.2025

Submission: Tue 05.08.2025

Presentation: Thu 07.08.2025

Form: Group of 2 students/Individual work

Recommendation: -

Focus of study: Urban Design

V

**Think Garden (Schifferli)**

1731210, SS 2025, 5 SWS, Language: German/English, [Open in study portal](#)

**Project (PRO)  
On-Site**

**Content**

Gardens are physical manifestations and localizations of our understanding and investigations into the origin of the ideas of the sublime and the beautiful. They are instruments to bring us closer to the power and meaningfulness of nature and landscape and to make them measurable and thus tangible. As spatially located orders, they symbolize a wholeness. A metaphysical idea and the craft of cultura, which transcend the factual content and meaning of the ideal, give rise to places of imaginary power that grow beyond the beauty of reality. Freedom must be the goal of thought in order to venture into the immeasurable.

The students choose a location and design their garden.

1st meeting: Thu 24.04.25, 09:00 am., Building 11.40, Room 126

Regular appointment: weekly from Wed 9:00 am

Intermediate critique: 05.06.25, 10.07.25

Submission/presentation: 07.08.2025

Form of work: Individual work

Study focus: Urban planning

Number of participants: 16

## T

## 4.13 Course: Design Specialization [T-ARCH-112107]

**Responsible:** Studiendekan/in Architektur  
**Organisation:** KIT Department of Architecture  
**Part of:** M-ARCH-105670 - Building Design Project

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	2	Grade to a third	Each term	1

Events					
WT 24/25	1710112	Advanced Building Studies Design (Frohn)	1 SWS	/ ●	Frohn, Wasel, Streicher
WT 24/25	1710207	Advanced Building Studies Design (Morger)	1 SWS		Morger, Zaparta, Schneider, Amon
WT 24/25	1710306	Advanced Building Studies Design (Hartmann)	1 SWS	/ ●	Hartmann, Coricelli, Kadid, Vansteenkiste
WT 24/25	1710308	Advanced Building Studies Design: Altbau-IBA – learning from the existing (Schlösser/Kirchner)	1 SWS	/ ●	Brasanac, Schlösser, Kirchner
WT 24/25	1720504	Advanced Construction Technology Design Studies (Wappner)	1 SWS	/ ●	Wappner, Hörmann, Häberle, Huismans, Calavetta, Kochhan
WT 24/25	1720553	Theoretical Designing Spezialization (Klinge/Rambow)	1 SWS	Project (P / ●)	Klinge, Rambow, Michalski, Weber, Alkadi
WT 24/25	1720604	Advanced Construction Technology Design Studies (Hebel)	1 SWS	/ ●	Hebel, Boerman
WT 24/25	1720610	Advanced Construction Technology Design Studies: Conversion of Buildings from the Post-war Period(Müller)	1 SWS	Project (P / ●)	Müller, Gerteiser, Busse
WT 24/25	1720702	Advanced Construction Technology Design Studies: A Market Hall for Karlsruhe (von Both)	1 SWS	Project (P / 🌀)	von Both, Seiler-Cuesta, Sartorius
WT 24/25	1720710	Advanced Construction Technology Design Studies: Simply Build Better (von Both)	1 SWS	Project (P / 🌀)	von Both, Koch
WT 24/25	1720806	Advanced Design Studies (Dörstelmann)	1 SWS	Project (P / ●)	Dörstelmann, Witt, Kranz
WT 24/25	1720905	Advanced Construction Technology Design Studies (Wagner R.)	1 SWS	Project (P / 🌀)	Wagner
WT 24/25	1720982	Advanced Design Project Studies (A. Wagner)	0.5 SWS	Project (P / ●)	Wagner, Mann, Mino Rodriguez, Alanis Oberbeck
WT 24/25	1731261	Advanced Project Studies (Inderbitzin): From Raw Material to Building	1 SWS	Seminar / ●	Inderbitzin, Schork, von Zepelin
ST 2025	1710103	Advanced Building Studies Design (Frohn)	1 SWS	/ ●	Frohn, Gazzillo, Gernay, Mori
ST 2025	1710205	Advanced Architectural Design Studies (Bru)	1 SWS	Project (P / ●)	N.N., Zaparta, Schneider, Amon
ST 2025	1710306	Advanced Architectural Design Studies: (Hartmann)	1 SWS	Project (P / ●)	Hartmann, Coricelli, Kadid, Vansteenkiste, Zucchello

ST 2025	1710312	Advanced Building Studies Design (Brüggen)	1 SWS	Project (P / 🗳️)	Brasanac
ST 2025	1720602	Advanced Construction Technology Design Studies (Hebel)	1 SWS	/ 🗳️	Hebel, Hirt, Yi
ST 2025	1720653	Advanced Construction Technology Design Studies (Kaiser): NEW FROM OLD	1 SWS	Project (P / 🗳️)	Kaiser, Erlewein
ST 2025	1720702	Advanced Construction Technology Design Studies (von Both/Koch)	1 SWS	/ 🗳️	von Both, Koch, Seiler-Cuesta
ST 2025	1720806	Advanced Construction Technology Design Studies (Dörstelmann)	1 SWS	Project (P / 🗳️)	Dörstelmann, Feldmann, Witt
ST 2025	1720982	Advanced Design Project Studies 1, 2	0.5 SWS	Project (P / 🗳️)	Wagner, Mann, Mino Rodriguez, Alanis Oberbeck
ST 2025	1731261	Advanced Project Studies (Trachsler/Inderbitzin): From Stocktaking to Building History	1 SWS	Seminar / 🗳️	Inderbitzin, Schork, von Zepelin

Legend: 🗳️ Online, 🗳️ Blended (On-Site/Online), 🗳️ On-Site, ✕ Cancelled

### Competence Certificate

Other examination requirements consisting of performance during the semester for theoretical or practical consolidation of the design topic, as a rule, of a project work with drawings whose scope depends on the respective task assigned or of an oral talk of approx. 15 minutes duration and a written paper on it encompassing approx. 20 pages or an equivalent assessment which has to be coordinated with the examiner.

### Workload

60 hours

Below you will find excerpts from events related to this course:



### Advanced Building Studies Design (Frohn)

1710112, WS 24/25, 1 SWS, Language: German/English, [Open in study portal](#)

On-Site

### Content

The course can only be chosen in conjunction with the associated "S,M,L" and is compulsory for this.

Supervision Thu by arrangement

Pin-Ups: to be announced



### Advanced Building Studies Design (Morger)

1710207, WS 24/25, 1 SWS, Language: German, [Open in study portal](#)

### Content

Attending the course is only possible for participants of the design project: An homage to Auguste Perret's Le Havre.

### Organizational issues

nach Vereinbarung



### Advanced Building Studies Design (Hartmann)

1710306, WS 24/25, 1 SWS, Language: English, [Open in study portal](#)

On-Site

### Content

This course can only be attended by the participants of the corresponding design studio - "Poly-Seasonal Architecture 3 REDUNDANCY".

**First meeting:** 24.10.202, 10:00 AM, 20.40 R204

**Presentation:** 20.02.2025

V

**Advanced Building Studies Design: Altbau-IBA – learning from the existing (Schlösser/ Kirchner)**1710308, WS 24/25, 1 SWS, Language: German, [Open in study portal](#)

On-Site

**Content**

As a thematic backdrop we will look at the Altbau-IBA, which was conceived as one of two parts of the International Building Exhibition Berlin 1987. Here, design tools were tested that went far beyond mere repairs and renovations. Some of the existing buildings were redesigned under 'radically ecological conditions'. Careful changes to floor plans made new forms of living feasible and the architectural forms of the time were interwoven with the buildings itself.

We will critically follow the discourse of the time and visit projects on site. The aim is to contextualize what we see with regard to today's discourse and to learn from design approaches to existing architecture.

The course can only be chosen in conjunction with the associated design studio *Almost Always Empty - Buildings for Cars* and is compulsory for the studio.

This teaching unit can only be selected with the Master Design Studio and is for this studio a mandatory teaching unit.

**1. meeting:** 24.10.2024, 10:00 AM, 20.40 R221

**presentation / exam :** 20.02.2025

V

**Advanced Construction Technology Design Studies (Wappner)**1720504, WS 24/25, 1 SWS, Language: German, [Open in study portal](#)

On-Site

**Content**

Attending the course is only possible for participants of the corresponding design project.

V

**Theoretical Designing Spezialisization (Klinge/Rambow)**1720553, WS 24/25, 1 SWS, Language: German/English, [Open in study portal](#)Project (PRO)  
On-Site**Content**

The course can only be chosen in conjunction with the corresponding draft 1720652 and is mandatory for this course.

V

**Advanced Construction Technology Design Studies (Hebel)**1720604, WS 24/25, 1 SWS, Language: German, [Open in study portal](#)

On-Site

**Content**

The course can only be chosen in conjunction with the corresponding "HIRZBERG+ - Micro-multifunctional room for a kindergarten in Freiburg" design and is compulsory for this.

V

**Advanced Construction Technology Design Studies: Conversion of Buildings from the Post-war Period(Müller)**1720610, WS 24/25, 1 SWS, Language: German, [Open in study portal](#)Project (PRO)  
On-Site**Content**

The specialisation includes preparatory exercises to understand successful conversions and adaptations of existing buildings. At the beginning of the semester, structures, buildings, constructions and their adaptations are analysed in order to create a solid understanding. This analysis serves as inspiration for the development of design ideas. The exact thematic orientation of the specialisation depends on the focus of the course. The course can only be chosen in conjunction with the associated project «Wohnen.zip - Ressourcen entpacken» and is compulsory for this project. The dates coincide with those of the Master's programme.

The event can only be chosen in connection with the associated draft and is mandatory for it.

Exam: will be announced later

V

**Advanced Construction Technology Design Studies: A Market Hall for Karlsruhe (von Both)**1720702, WS 24/25, 1 SWS, Language: German, [Open in study portal](#)Project (PRO)  
Blended (On-Site/Online)

**Content**

Within this Course, specific Topics and Aspects of the design Project "A Market Hall for Karlsruhe" will be dealt with in-depth, processed, and documented. The specific Topics will be identified in Consultation with the BLM supervisors.

Examination of another type

**Regular meeting:** Thu. 09:00-13:00 pm, presence/online according to Arrangement

**First meeting:** Thursday, 10/24/2024, 9:00 am, presence/online, Seminar Room BLM

**Submission/Exam:** Thursday, 02/27/2025, 9:00 am

**Organizational issues**

Vorraussetzung: Teilname am Entwurf "Eine Markthalle für Karlsruhe"

Prerequisite: Participation in the design Project "A Market Hall for Karlsruhe"

V

**Advanced Construction Technology Design Studies: Simply Build Better (von Both)**

1720710, WS 24/25, 1 SWS, Language: German, [Open in study portal](#)

**Project (PRO)  
Blended (On-Site/Online)**

**Content**

Within this Course, specific Topics and Aspects of the design Project will be dealt with in-depth, processed, and documented. The specific Topics will be identified in Consultation with the BLM supervisors.

Examination of another type

**Regular meeting:** Thu. 09:00-13:00 pm, presence/online according to Arrangement

**First meeting:** Thursday, 10/24/2024, 9:00 am, presence/online, Seminar Room BLM

**Submission/Exam:** Thursday, 02/27/2025, 9:00 am

V

**Advanced Design Studies (Dörstelmann)**

1720806, WS 24/25, 1 SWS, Language: English, [Open in study portal](#)

**Project (PRO)  
On-Site**

**Content**

This course can only be selected in connection with the design studio "**Common Futures - Reinterpreting African vernacular narratives for digital sustainable construction**" (LV1720805), for which it is mandatory.

First Meeting: 24.10.2024

Hand-in: 07.03.2025

V

**Advanced Construction Technology Design Studies (Wagner R.)**

1720905, WS 24/25, 1 SWS, Language: German/English, [Open in study portal](#)

**Project (PRO)  
Blended (On-Site/Online)**

**Content**

The students learn to question their design in terms of building-related demands.

The content is a comprehensive study of the requirements which are necessary to realize the design. The processing of the design into structural concept which can be build has the focus on the relation between the design intentions and the constraints given by the building techniques such as material properties, load carrying behaviour, manufacturing and mounting on site.

The specialization is recommended for students of the course "Neue Markthalle Karlsruhe" professorship BLM. The tasks and the result is coordinated individually and thematically with the students.

Regular schedule: By appointment

**Organizational issues**

nach Vereinbarung

V

**Advanced Design Project Studies (A. Wagner)**

1720982, WS 24/25, 0.5 SWS, Language: German/English, [Open in study portal](#)

**Project (PRO)  
On-Site**

**Content**

The advanced design project study in building technology accompanies a building or urban design studio project and comprises related work on a building physics or technical building services topic. Topic, objectives, suitable tools and a work plan will be discussed and fixed during the first meeting (see module handbook).

By arrangement 20.40 R 235

**Advanced Project Studies (Inderbitzin): From Raw Material to Building**1731261, WS 24/25, 1 SWS, Language: German, [Open in study portal](#)**Seminar (S)  
On-Site****Content**

The Studio Black Houses in-depth course is designed to develop the fundamentals and knowledge for the design. The focus is on wood: we want to understand how the raw material is transformed into a building material, how it is joined into supporting structures or used for cladding. The individual research projects are carried out in pairs. The course can only be chosen in conjunction with the associated design, for which it is compulsory.

The Seminar is an integral part of the master-studio *Black houses*. Participation is obligatory for those choosing the design studio. The dates coincide with those of the Master Studio.

Exam: 20.2.2025

**Advanced Building Studies Design (Frohn)**1710103, SS 2025, 1 SWS, Language: German/English, [Open in study portal](#)**On-Site****Content**

The event can only be selected in conjunction with the associated design Blue Banana 010 and is mandatory for this.

**Advanced Architectural Design Studies (Bru)**1710205, SS 2025, 1 SWS, Language: German/English, [Open in study portal](#)**Project (PRO)  
On-Site****Content**

Attending the course is only possible for participants of the design project

**Advanced Architectural Design Studies: (Hartmann)**1710306, SS 2025, 1 SWS, Language: English, [Open in study portal](#)**Project (PRO)  
On-Site****Content**

**Attending the course is only possible for participants of the design project**

Language: English

**Advanced Building Studies Design (Brüggen)**1710312, SS 2025, 1 SWS, Language: German, [Open in study portal](#)**Project (PRO)  
On-Site****Content**

The course can only be chosen in connection with the associated Master Studio and is mandatory for it.

First Meeting: 24.04.2025, 10:00 AM, Geb. 20.40 , R221,

**Advanced Construction Technology Design Studies (Hebel)**1720602, SS 2025, 1 SWS, Language: German, [Open in study portal](#)**On-Site****Content**

The event can only be chosen in connection with the associated design "Matthäus Vision - Transformation of the Matthäuskirche in Karlsruhe" and is mandatory for it.

**Advanced Construction Technology Design Studies (Kaiser): NEW FROM OLD**1720653, SS 2025, 1 SWS, Language: German, [Open in study portal](#)**Project (PRO)  
On-Site****Content**

As an in-depth study, we will search together for building structures. The focus will be on buildings that are due to give way due to their exhausted life cycle. For example, we will locate, inspect and store old roof trusses, backyard sheds and barns.

These structures will be documented by means of a survey and incorporated directly into the design of the master studio. The work process is to be presented in the course of an exhibition on the IBA27 site.

The in-depth study is an integral part of the DOMINO ZIRKULAR master studio. Participation is mandatory if the design studio is chosen. The dates coincide with those of the master studio.

Exam: TBD

V

**Advanced Construction Technology Design Studies (von Both/Koch)**1720702, SS 2025, 1 SWS, Language: German, [Open in study portal](#)**Blended (On-Site/Online)****Content**

Within this course, specific topics and aspects of the design project "Ensemble 30.3x" will be dealt with in-depth, processed, and documented. The specific topics will be identified in consultation with the supervisors of the design project at the BLM.

First Meeting: Thursday, 24.04.2025, 9:00 a.m.

Appointment: Thursday by Arrangement, Online by Arrangement

Submission/Exam: Short presentation Tuesday, 05.08.25, Start 9:00 a.m.

Number of Participants: 15

**Organizational issues**

**Voraussetzung:** Teilnahme am BLM-Entwurf "Ensemble 30.x"

**Requirement:** Partition at BLM- Design-planning "Ensemble 30.x"

V

**Advanced Construction Technology Design Studies (Dörstelmann)**1720806, SS 2025, 1 SWS, Language: English, [Open in study portal](#)**Project (PRO)  
On-Site****Content**

This course can only be selected in connection with the design studio "Ghana Co-Lab: Co-creating digital pathways for circular construction in Kumasi" (LV1720807), for which it is mandatory.

First Meeting: 24.04.2025

Hand-in: 15.08.2025

V

**Advanced Design Project Studies 1, 2**1720982, SS 2025, 0.5 SWS, Language: German, [Open in study portal](#)**Project (PRO)  
On-Site****Content**

The advanced design project study in building technology accompanies a building or urban design studio project and comprises related work on a building physics or technical building services topic. Topic, objectives, suitable tools and a work plan will be discussed and fixed during the first meeting (see module handbook).

Dates by arrangement

V

**Advanced Project Studies (Trachsler/Inderbitzin): From Stocktaking to Building History**1731261, SS 2025, 1 SWS, Language: German/English, [Open in study portal](#)**Seminar (S)  
On-Site****Content**

The *Love Me Two Times* studio's in-depth study is designed to lay the foundations and build the knowledge for the design. The focus is on the site and the existing building: we want to understand the history of the building's development, explore the social context of its use and analyze its influence on its surroundings. We also want to make a detailed record of the existing fabric. The individual pieces of research will be edited into a film and worked on in groups per site (approx. 5 persons). The course can only be chosen in conjunction with the associated design and is compulsory.

Submission/Presentation: 5.6.2024, 11:30 am -14.30 pm, Geb. 11.40, R 115, Presence

Team: Gian Trachsler, Niklas Nalbach, Anna Schork, Maximilian von Zepelin

## T

## 4.14 Course: Design Theory [T-ARCH-107373]

**Responsible:** Prof. Simon Hartmann  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-103631 - Design Theory](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each term	1

Events					
WT 24/25	1710305	<a href="#">Design Theory: KIT 200: Egon Eiermann's Oil City in Karlsruhe</a>	2 SWS	Seminar / 	Hartmann, Coricelli
ST 2025	1710307	<a href="#">Design Theory: Access Denied</a>	4 SWS	Seminar / 	Hartmann, Kadid, Coricelli, Vansteenkiste, Zucchello

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

### Competence Certificate

Other examination requirements consisting of a written paper on the contents of the seminar encompassing approx. 20 pages and qualified oral discussion contributions.

### Prerequisites

none

Below you will find excerpts from events related to this course:

## V

### Design Theory: KIT 200: Egon Eiermann's Oil City in Karlsruhe

1710305, WS 24/25, 2 SWS, Language: German/English, [Open in study portal](#)

Seminar (S)  
Blended (On-Site/Online)

### Content

A photograph of 1961 depicts Egon Eiermann sitting behind a model of the entrance buildings of the DEA-Schoven Refinery fitting almost the whole main space of the professorship Bauplanung at KIT. Even if experienced with many built works, that bigness presented by the site was unprecedented for Eiermann. How to conceive an architectural intervention at the fringe of a system of functional objects shaped by technical requirements?

Starting from that very same space of Eiermann's chair/office, we propose to investigate and expand the knowledge of his work, climbing up all the scales from the physical model to the 1:1 realization of the entrance system of the largest oil refinery in Germany.

On the occasion of the 200th anniversary of the school, the results of the seminar will be exhibited in the fall of 2025 in a collective show on the networks and contributions of KIT professors and the city of Karlsruhe and its broader territory.

**Appointment:** : Wednesday, 11 AM -2 PM each second week

**First meeting:** 30.10.2024, at 11.00 AM, Geb. 20.40 R221

**Submission/ Exam:** 29.01.2025 (TBC)

**Number of participants:** 16

**Form:** Individual and collective work

## V

### Design Theory: Access Denied

1710307, SS 2025, 4 SWS, Language: English, [Open in study portal](#)

Seminar (S)  
On-Site

**Content**

We will be dealing with buildings that are well-known architectural objects that are not accessible. Why are they not accessible? To whom are they, nevertheless, and under what conditions? We will search for the various reasons for the lack of accessibility and for all imaginable ways to access them anyway. Examples to study are Casa Malaparte by Curzio Malaparte, Maison à Bordeaux by OMA, and National Bank in Copenhagen by Arne Jacobsen.

**Event Format:** Blended (On-Site/Online)

**Appointment:** Each second week - Wednesdays

**First meeting:** 30.04.2025 at 10.00h, Geb. 20.40-R221

**Number of Participants:** Maximum 16

**Final Presentation:** TBD

**Output:** Individual work

T

**4.15 Course: Design to Built [T-ARCH-109244]**

**Responsible:** Studiendekan/in Architektur  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-104514 - Design to Built](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each term	1

**Prerequisites**

none

**Workload**

120 hours

## T

## 4.16 Course: Detailed Topics of Building Lifecycle Management [T-ARCH-107399]

**Responsible:** Prof. Dr.-Ing. Petra von Both  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-103656 - Detailed Topics of Building Lifecycle Management](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Irregular	1

Events					
WT 24/25	1720707	<a href="#">Special Topics of BLM: Free programming with AI</a>	4 SWS	Lecture / Practice ( / ☞)	von Both, Koch
ST 2025	1720707	<a href="#">Detailed Topics of BLM: Home Assistant Systems</a>	4 SWS	Lecture / Practice ( / ☞)	von Both, Koch

Legend: Online, Blended (On-Site/Online), On-Site, Cancelled

Below you will find excerpts from events related to this course:

## V

**Special Topics of BLM: Free programming with AI**

1720707, WS 24/25, 4 SWS, Language: German/English, [Open in study portal](#)

Lecture / Practice (VÜ)  
Blended (On-Site/Online)

**Content**

In the Seminar, we deal with the Basics of programming Languages in general and examine the possible applications in architectural planning practice. Based on the experience gained, you will choose your own individual task in the context of architecture and convert it into functioning program code with the help of AI.

Examination of Other Types

**Appointments:** Mondays, 09:45 am -11:15 pm

**1. Appointment:** Monday, 10/21/2024, 09:45 am, BLM Seminar room

**Examination Date:** Monday, 02/24/2025, 9:45 am, BLM Seminar room

## V

**Detailed Topics of BLM: Home Assistant Systems**

1720707, SS 2025, 4 SWS, Language: German/English, [Open in study portal](#)

Lecture / Practice (VÜ)  
Blended (On-Site/Online)

**Content**

In this Seminar, we will look at the Basics of the open smart home Platform: "Home Assistant". We will learn the theoretical Basics of the Environment and test them in practice in self-created use cases.

When implementing the individual Scenarios, we apply AI techniques and implement them in self-built Hardware and Software Projects.

No previous knowledge is required for the seminar.

**First Meeting:** Monday, 28.04.2024, 9:45 a.m., Seminar Room A, BLM

**Regular appointments:** Mondays, 9:45 -11:15 a.m., Supervision individual on request

**Submission/Exam:** Monday, 11.08.2024, 9:00 a.m

**Max. Number of Participants:** 12

## T

## 4.17 Course: Digital Design and Fabrication [T-ARCH-111790]

**Responsible:** TT-Prof. Moritz Dörstelmann  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-105857 - Digital Design and Fabrication](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each term	1

Events					
ST 2025	1720807	<a href="#">Digital Design and Fabrication: Robotic Earth Reinforcement: Exploring digitally enabled hybrid construction with natural fiber reinforced earth (Dörstelmann)</a>	4 SWS	Seminar / 	Dörstelmann, Fuentes Quijano

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

**Competence Certificate**

Other examination requirements based on a final presentation.

**Prerequisites**

none

Below you will find excerpts from events related to this course:

## V

**Digital Design and Fabrication: Robotic Earth Reinforcement: Exploring digitally enabled hybrid construction with natural fiber reinforced earth (Dörstelmann)**

Seminar (S)  
On-Site

1720807, SS 2025, 4 SWS, Language: English, [Open in study portal](#)

**Content**

Exploring the potential of digitally enabled hybrid construction, this seminar merges the textile repertoire of natural fiber reinforcement with a robotic shot-earth process to develop fully recyclable and structural performant material systems. Participants will explore textile concepts for spatial fiber reinforcement for earth structures through digital design and hands-on experimentation and prototyping of full scale robotic fabrication processes in DDF's Digital Construction Lab.

In close collaboration with the Institute for Advanced Architecture of Catalonia (IAAC) the seminar outcome will contribute to research in 3D-printed earth construction, and will be further explored in an autumn workshop in Barcelona, Spain.

First Meeting: By prior arrangement.

Place: DDF\_Lab, Hardeckstraße 2a & Online.

Form: Individual work and teamwork.

Rhinoceros & Grasshopper basic skills are recommended but not required.

T

**4.18 Course: Energy and Indoor Climate Concepts [T-ARCH-111338]**

**Responsible:** Prof. Andreas Wagner  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-105680 - Special Topics of Building Physics](#)

Type	Credits	Grading scale	Recurrence	Version
Oral examination	2	Grade to a third	Each summer term	1

Events					
ST 2025	1720970	<a href="#">Energy and Indoor Climate Concepts</a>	2 SWS	Lecture / 	Wagner

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

**Competence Certificate**

Oral exam of 25 minutes on the contents of the course.

**Prerequisites**

none

Below you will find excerpts from events related to this course:

V

**Energy and Indoor Climate Concepts**

1720970, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

**Lecture (V)  
On-Site**

**Content**

The students will become familiar with concepts and technologies of energy-efficient building. Topics like heat protection, passive solar energy use, ventilation systems and passive cooling are addressed. New ways of renewable energy supply show the path towards climate-neutral buildings. On the basis of examples from practice, energy and indoor climate concepts for different buildings types are investigated in detail and analyzed with regard to presented performance criteria. For qualification targets see module handbook.

Appointment: Tues. 14:00 PM - 15:30 PM R240 Bauko

First meeting: Tues. 22.04.2025, 14:00 AM

Submission/Exam: 11.08.2025/12.08.2025

Number of Participants: 10

## T

## 4.19 Course: Fine Arts [T-ARCH-107366]

**Responsible:** Prof. Stephen Craig  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-103624 - Fine Arts](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each term	1

Events					
WT 24/25	1710367	<a href="#">Fine Arts: Colours of the Day</a>	4 SWS	Seminar / 	Craig
WT 24/25	1710369	<a href="#">Fine Arts: DEMOCRACY and ART for all</a>	4 SWS	Seminar / 	Craig, Kranz
WT 24/25	1710371	<a href="#">Fine Arts: round table: Building botanical experiments</a>	4 SWS	Seminar / 	Craig, Schelble
ST 2025	1710365	<a href="#">Fine Arts: #Third spaces: Transformative forms of coming together</a>	4 SWS	Seminar / 	Craig, Schelble
ST 2025	1710367	<a href="#">Fine Arts: Fresh air drawing Foot walk diaries</a>	4 SWS	Seminar / 	Craig
ST 2025	1710370	<a href="#">Fine Arts: genius loci – spirit of th place</a>	4 SWS	Seminar / 	Craig, Mühlen

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

**Competence Certificate**

Other examination requirements consisting of handing in and presenting semester works in the form of pictures or sculptures. Mandatory and a prerequisite is the regular participation in class.

**Prerequisites**

none

Below you will find excerpts from events related to this course:

## V

**Fine Arts: Colours of the Day**

1710367, WS 24/25, 4 SWS, Language: German/English, [Open in study portal](#)

**Seminar (S)**  
On-Site

**Content**

We will be drawing and painting. Mostly painting (for example oil on canvas). Trying out various technical methods. Attempting to follow up on the participants individual ideas. Colour /light, observation / perception. Reflecting on the notion of what it means to paint. What painting is and can be.

Appointment: Mo. 9:45 AM - 01:00 PM, 20.40 R204 FG BK

First meeting: Monday, 21.10.2024, 9:45 Uhr, 20.40 R204 FG BK

Submission / Exam:

Number of participants: 12+3 Erasmus

## V

**Fine Arts: DEMOCRACY and ART for all**

1710369, WS 24/25, 4 SWS, Language: German, [Open in study portal](#)

**Seminar (S)**  
On-Site

**Content**

Under the title "doing democracy", the Montag Foundation is initiating a pilot project on the site of the former American Embassy Club on the banks of the Rhine in Bonn, which was built in 1951 and is now a listed building. Over the next few years, the OPEN EMBASSY FOR DEMOCRACY will be created here as a prototype for civil society engagement and as a living space for the revitalisation of democracy.

Participatory art, social design and playful architecture are to serve as inspiration for approaching the building, its history and the socio-political issues of the project using methods of artistic research. On this basis, both individual artistic works and projects for a summer school week in Bonn at the end of March 2025 will be developed together.

**Mon, 2-5:15 pm - 1 pm, 21.10.2024**

**Room 204 / Drawing Room**

**Compulsory excursion to Bonn: 27.-28.10.2024**

**Submission/Exam: 24.02.2025**

Number of Participants: 10 MA (kein Erasmus)

Language: german

V

**Fine Arts: round table: Building botanical experiments**

1710371, WS 24/25, 4 SWS, Language: German, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

The course "#round table: Building botanical experiments" deals with the approach of producing building elements with the help of living plants from an artistic perspective. The aim is to create a functional living architectural sculpture by exploring horticultural and constructive strategies. Both aesthetic and ecologically sustainable aspects are at the heart of the development of the architectural botanical designs. To this end, the creative possibilities and limits of sculptural-functional design will be explored in theory and tested in practice. The aim of the exercise is to stimulate creative, sustainable and interdisciplinary approaches. Individual dates may deviate from the regular dates by arrangement.

The course will be held in German, if required in German/English.

Supervision: Indra Schelble, academic assistant/ PhD student, Chair of Fine Arts (EKUT) in cooperation with Olaf Quantius, artist/ PhD student (University of Art Linz), Martin Reuter, Environmental Agency City of Rheinstetten, Katherina Fies, Environmental Agency Karlsruhe, Landschaftspflege Börsig

Venues: Drawing room, KIT wood workshop, Meriske West Rheinstetten along the Daimler-Benz-Str.

**Regular date:** Friday, 10 am - 1 pm, 20.40 R204 Drawing room

**1st meeting:** 25.10.2024, 10 a.m. possibly a building/planting week is planned

**Number of participants:** 5 Master + 2 Erasmus

**Submission / examination:** 07.02.2025

V

**Fine Arts: #Third spaces: Transformative forms of coming together**

1710365, SS 2025, 4 SWS, Language: German, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

How to create an alive performative space? Which objects and components are necessary for that process? In this seminar #Third Spaces: Transformative Forms of Coming Together, the aim is to practically test artistic markers for the 'third space' of social coming together. Based on examples from relational art, we will explore various functional elements that can support community and exchange. Taking ecological, artistic and socio-aesthetic criteria into account, we will experiment with situations and environments to invite people to come together.

Room: KIT Building 20.40, Room 204 Drawing Room/ Meriske West, Rheinstetten / Art Academy Karlsruhe

Regular date Fridays: 09:45-13:00

Start of seminar: Friday, 25. 04. 2025, 10:00-13:00, 20.40, R204

Submission / examination: 25.07.2025, 10:00-12:00, Meriske West

Maximum 8 students

**Fine Arts: Fresh air drawing Foot walk diaries**1710367, SS 2025, 4 SWS, Language: German/English, [Open in study portal](#)**Seminar (S)  
On-Site****Content**

With the observation of our every day world begins a process of reflection and visualization. Through a row of sketches and drawings combined with short written descriptions we begin an intensive exploration of the city of Karlsruhe. In the time period of one semester, the exercise involves filling up some DIN A4 sketch pads. Personal impressions of city life are to be documented. In a similar manner to that of a picture book diary. A narrative begins to occur.

Every participant will be given a small perspex glass plate, DIN A4, which he/she can keep with them for the duration of the course. This plate will serve as a very simple additional drawing support mechanism.

Appointment: Monday 9:45 AM - 1:00 PM

First meeting: 29.04.2025

Submission/ Exam:

Number of participants: 12 + 3 Erasmus

**Fine Arts: genius loci – spirit of th place**1710370, SS 2025, 4 SWS, Language: German/English, [Open in study portal](#)**Seminar (S)  
On-Site****Content**

In the seminar, we explore various artistic strategies and methods from the fields of field research, walkscapes, and psychogeography, etc. Concrete exercises and a spirit of experimentation help us unlearn patterns of perception and discover alternative approaches to our familiar environment. We practice this at different locations in the city's public space. The aim of the seminar is an artistic engagement with a specific place and its conditions. This process takes place through the use of one or more media (e.g., mapping, text, photography, sound work, etc.) and culminates in a final presentation.

This expanded form of engagement provides us, as designers, with a foundation to grasp the genius loci – the spirit of a place – and integrate it into future planning processes."

regulating term: Monday 14:00-17:15 Uhr, ab 28.04.2025, Building 20.40 Room 204 / Zeichensaal

Seminar location: changing meeting points in the public space of Karlsruhe (individual appointments in the seminar room)

Test: 11.08.2025

12 Master +2 Erasmus

T

**4.20 Course: Fire Protection in Planning and Building [T-ARCH-111339]**

**Responsible:** Prof. Andreas Wagner  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-105680 - Special Topics of Building Physics](#)

Type	Credits	Grading scale	Recurrence	Version
Oral examination	2	Grade to a third	Each summer term	1

Events					
ST 2025	1720963	<a href="#">Fire Protection in Planning and Building</a>	2 SWS	Lecture / 	Wagner, Hermann

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

**Competence Certificate**

Oral exam of 25 minutes on the contents of the course.

**Prerequisites**

none

Below you will find excerpts from events related to this course:

V

**Fire Protection in Planning and Building**

1720963, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

**Lecture (V)  
On-Site**

**Content**

The students are gaining insight into the fire protection of buildings. Topics like properties of building materials and building parts and their classification in terms of fire protection, fire alarm systems, fire-extinguishing systems and fume/heat outlets, fire zones, escape routes and fire protection concepts are introduced. Besides addressing fundamental knowledge, construction and design related aspects of fire protection in buildings are discussed in detail on the basis of examples from practice. For qualification targets see module handbook.

Appointment: Fr. 09:45 AM - 13:00 PM fortnightly R240 Bauko

First meeting: Fr. 25.04.2025, 09:45 Uhr.

Examination: 08.08.2025

Number of Participants: 10

## T

## 4.21 Course: Free Design Specialization [T-ARCH-111329]

**Responsible:** Studiendekan/in Architektur  
**Organisation:** KIT Department of Architecture  
**Part of:** M-ARCH-105672 - Design Project

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	2	Grade to a third	Each term	1

Events					
WT 24/25	1710112	Advanced Building Studies Design (Frohn)	1 SWS	/ ●	Frohn, Wasel, Streicher
WT 24/25	1710207	Advanced Building Studies Design (Morger)	1 SWS		Morger, Zaparta, Schneider, Amon
WT 24/25	1710306	Advanced Building Studies Design (Hartmann)	1 SWS	/ ●	Hartmann, Coricelli, Kadid, Vansteenkiste
WT 24/25	1710308	Advanced Building Studies Design: Altbau-IBA – learning from the existing (Schlösser/Kirchner)	1 SWS	/ ●	Brasanac, Schlösser, Kirchner
WT 24/25	1720504	Advanced Construction Technology Design Studies (Wappner)	1 SWS	/ ●	Wappner, Hörmann, Häberle, Huismans, Calavetta, Kochhan
WT 24/25	1720553	Theoretical Designing Spezialization (Klinge/Rambow)	1 SWS	Project (P / ●)	Klinge, Rambow, Michalski, Weber, Alkadi
WT 24/25	1720604	Advanced Construction Technology Design Studies (Hebel)	1 SWS	/ ●	Hebel, Boerman
WT 24/25	1720610	Advanced Construction Technology Design Studies: Conversion of Buildings from the Post-war Period(Müller)	1 SWS	Project (P / ●)	Müller, Gerteiser, Busse
WT 24/25	1720702	Advanced Construction Technology Design Studies: A Market Hall for Karlsruhe (von Both)	1 SWS	Project (P / 🌀)	von Both, Seiler-Cuesta, Sartorius
WT 24/25	1720710	Advanced Construction Technologies Design Studies: Simply Build Better (von Both)	1 SWS	Project (P / 🌀)	von Both, Koch
WT 24/25	1720806	Advanced Design Studies (Dörstelmann)	1 SWS	Project (P / ●)	Dörstelmann, Witt, Kranz
WT 24/25	1720905	Advanced Construction Technology Design Studies (Wagner R.)	1 SWS	Project (P / 🌀)	Wagner
WT 24/25	1720982	Advanced Design Project Studies (A. Wagner)	0.5 SWS	Project (P / ●)	Wagner, Mann, Mino Rodriguez, Alanis Oberbeck
WT 24/25	1731061	Advanced Urban Design Project Studies: Repertoire Residential Typologies (Neppl)	1 SWS	/ ●	Neppl, Krüger, Hetey
WT 24/25	1731161	Advanced Urban Design Project Studies (Engel): Mapping the Urban Landscape of Pristina	1 SWS	/ ●	Engel, Lev, Song
WT 24/25	1731211	Advanced Urban Design Project Studies (Bava)	1 SWS	/ ●	Bava, Ehmman, Seitz

WT 24/25	1731261	Advanced Project Studies (Inderbitzin): From Raw Material to Building	1 SWS	Seminar /	Inderbitzin, Schork, von Zepelin
ST 2025	1710103	Advanced Building Studies Design (Frohn)	1 SWS	/	Frohn, Gazzillo, Gernay, Mori
ST 2025	1710205	Advanced Architectural Design Studies (Bru)	1 SWS	Project (P /	N.N., Zaparta, Schneider, Amon
ST 2025	1710306	Advanced Architectural Design Studies: (Hartmann)	1 SWS	Project (P /	Hartmann, Coricelli, Kadid, Vansteenkiste, Zucchello
ST 2025	1710312	Advanced Building Studies Design (Brüggen)	1 SWS	Project (P /	Brasanac
ST 2025	1720602	Advanced Construction Technology Design Studies (Hebel)	1 SWS	/	Hebel, Hirt, Yi
ST 2025	1720653	Advanced Construction Technology Design Studies (Kaiser): NEW FROM OLD	1 SWS	Project (P /	Kaiser, Erlewein
ST 2025	1720702	Advanced Construction Technology Design Studies (von Both/Koch)	1 SWS	/	von Both, Koch, Seiler-Cuesta
ST 2025	1720806	Advanced Construction Technology Design Studies (Dörstelmann)	1 SWS	Project (P /	Dörstelmann, Feldmann, Witt
ST 2025	1720982	Advanced Design Project Studies 1, 2	0.5 SWS	Project (P /	Wagner, Mann, Mino Rodriguez, Alanis Oberbeck
ST 2025	1731061	Advanced Urban Design Project Studies: The Chandigarh Challenge: Research, Analytics and Publication (Neppl)	1 SWS	/	Neppl, Giralt
ST 2025	1731161	Advanced Urban Design Project Studies (Engel): Instruments of Water-Sensitive Urban Planning	2 SWS	Seminar /	Engel, Kannen
ST 2025	1731211	Advanced Urban Design Project Studies: Think Garden (Schifferli)	1 SWS	/	Schifferli, Zuber
ST 2025	1731261	Advanced Project Studies (Trachsler/Inderbitzin): From Stocktaking to Building History	1 SWS	Seminar /	Inderbitzin, Schork, von Zepelin

Legend: Online, Blended (On-Site/Online), On-Site, Cancelled

### Competence Certificate

Other examination requirements consisting of performance during the semester for theoretical or practical consolidation of the design topic, as a rule, of a project work with drawings whose scope depends on the respective task assigned or of an oral talk of approx. 15 minutes duration and a written paper on it encompassing approx. 20 pages or an equivalent assessment which has to be coordinated with the examiner.

### Workload

60 hours

Below you will find excerpts from events related to this course:



### Advanced Building Studies Design (Frohn)

1710112, WS 24/25, 1 SWS, Language: German/English, [Open in study portal](#)

**On-Site**

### Content

The course can only be chosen in conjunction with the associated "S,M,L" and is compulsory for this.

Supervision Thu by arrangement

Pin-Ups: to be announced

**Advanced Building Studies Design (Morger)**1710207, WS 24/25, 1 SWS, Language: German, [Open in study portal](#)**Content**

Attending the course is only possible for participants of the design project: An homage to Auguste Perret's Le Havre.

**Organizational issues**

nach Vereinbarung

**Advanced Building Studies Design (Hartmann)**1710306, WS 24/25, 1 SWS, Language: English, [Open in study portal](#)**On-Site****Content**

This course can only be attended by the participants of the corresponding design studio - "Poly-Seasonal Architecture 3 REDUNDANCY".

**First meeting:** 24.10.202, 10:00 AM, 20.40 R204

**Presentation:** 20.02.2025

**Advanced Building Studies Design: Altbau-IBA – learning from the existing (Schlösser/ Kirchner)**1710308, WS 24/25, 1 SWS, Language: German, [Open in study portal](#)**On-Site****Content**

As a thematic backdrop we will look at the Altbau-IBA, which was conceived as one of two parts of the International Building Exhibition Berlin 1987. Here, design tools were tested that went far beyond mere repairs and renovations. Some of the existing buildings were redesigned under 'radically ecological conditions'. Careful changes to floor plans made new forms of living feasible and the architectural forms of the time were interwoven with the buildings itself.

We will critically follow the discourse of the time and visit projects on site. The aim is to contextualize what we see with regard to today's discourse and to learn from design approaches to existing architecture.

The course can only be chosen in conjunction with the associated design studio *Almost Always Empty - Buildings for Cars* and is compulsory for the studio.

This teaching unit can only be selected with the Master Design Studio and is for this studio a mandatory teaching unit.

**1. meeting:** 24.10.2024, 10:00 AM, 20.40 R221

**presentation / exam :** 20.02.2025

**Advanced Construction Technology Design Studies (Wappner)**1720504, WS 24/25, 1 SWS, Language: German, [Open in study portal](#)**On-Site****Content**

Attending the course is only possible for participants of the corresponding design project.

**Theoretical Designing Spezialisization (Klinge/Rambow)**1720553, WS 24/25, 1 SWS, Language: German/English, [Open in study portal](#)**Project (PRO)  
On-Site****Content**

The course can only be chosen in conjunction with the corresponding draft 1720652 and is mandatory for this course.

**Advanced Construction Technology Design Studies (Hebel)**1720604, WS 24/25, 1 SWS, Language: German, [Open in study portal](#)**On-Site****Content**

The course can only be chosen in conjunction with the corresponding "HIRZBERG+ - Micro-multifunctional room for a kindergarten in Freiburg" design and is compulsory for this.

V

**Advanced Construction Technology Design Studies: Conversion of Buildings from the Post-war Period(Müller)****Project (PRO)  
On-Site**1720610, WS 24/25, 1 SWS, Language: German, [Open in study portal](#)**Content**

The specialisation includes preparatory exercises to understand successful conversions and adaptations of existing buildings. At the beginning of the semester, structures, buildings, constructions and their adaptations are analysed in order to create a solid understanding. This analysis serves as inspiration for the development of design ideas. The exact thematic orientation of the specialisation depends on the focus of the course. The course can only be chosen in conjunction with the associated project «Wohnen.zip - Ressourcen entpacken» and is compulsory for this project. The dates coincide with those of the Master's programme.

The event can only be chosen in connection with the associated draft and is mandatory for it.

Exam: will be announced later

V

**Advanced Construction Technology Design Studies: A Market Hall for Karlsruhe (von Both)****Project (PRO)  
Blended (On-Site/Online)**1720702, WS 24/25, 1 SWS, Language: German, [Open in study portal](#)**Content**

Within this Course, specific Topics and Aspects of the design Project "A Market Hall for Karlsruhe" will be dealt with in-depth, processed, and documented. The specific Topics will be identified in Consultation with the BLM supervisors.

Examination of another type

**Regular meeting:** Thu. 09:00-13:00 pm, presence/online according to Arrangement

**First meeting:** Thursday, 10/24/2024, 9:00 am, presence/online, Seminar Room BLM

**Submission/Exam:** Thursday, 02/27/2025, 9:00 am

**Organizational issues**

Vorraussetzung: Teilname am Entwurf "Eine Markthalle für Karlsruhe"

Prerequisite: Participation in the design Project "A Market Hall for Karlsruhe"

V

**Advanced Construction Technology Design Studies: Simply Build Better (von Both)****Project (PRO)  
Blended (On-Site/Online)**1720710, WS 24/25, 1 SWS, Language: German, [Open in study portal](#)**Content**

Within this Course, specific Topics and Aspects of the design Project will be dealt with in-depth, processed, and documented. The specific Topics will be identified in Consultation with the BLM supervisors.

Examination of another type

**Regular meeting:** Thu. 09:00-13:00 pm, presence/online according to Arrangement

**First meeting:** Thursday, 10/24/2024, 9:00 am, presence/online, Seminar Room BLM

**Submission/Exam:** Thursday, 02/27/2025, 9:00 am

V

**Advanced Design Studies (Dörstelmann)****Project (PRO)  
On-Site**1720806, WS 24/25, 1 SWS, Language: English, [Open in study portal](#)**Content**

This course can only be selected in connection with the design studio "**Common Futures - Reinterpreting African vernacular narratives for digital sustainable construction**" (LV1720805), for which it is mandatory.

First Meeting: 24.10.2024

Hand-in: 07.03.2025

V

**Advanced Construction Technology Design Studies (Wagner R.)****Project (PRO)  
Blended (On-Site/Online)**1720905, WS 24/25, 1 SWS, Language: German/English, [Open in study portal](#)

**Content**

The students learn to question their design in terms of building-related demands. The content is a comprehensive study of the requirements which are necessary to realize the design. The processing of the design into structural concept which can be built has the focus on the relation between the design intentions and the constraints given by the building techniques such as material properties, load carrying behaviour, manufacturing and mounting on site.

The specialization is recommended for students of the course "Neue Markthalle Karlsruhe" professorship BLM. The tasks and the result is coordinated individually and thematically with the students.

Regular schedule: By appointment

**Organizational issues**

nach Vereinbarung

V

**Advanced Design Project Studies (A. Wagner)**

1720982, WS 24/25, 0.5 SWS, Language: German/English, [Open in study portal](#)

**Project (PRO)**  
**On-Site**

**Content**

The advanced design project study in building technology accompanies a building or urban design studio project and comprises related work on a building physics or technical building services topic. Topic, objectives, suitable tools and a work plan will be discussed and fixed during the first meeting (see module handbook).

By arrangement 20.40 R 235

V

**Advanced Urban Design Project Studies: Repertoire Residential Typologies (Neppl)**

1731061, WS 24/25, 1 SWS, Language: German, [Open in study portal](#)

**On-Site**

**Content**

The framework development plan Dietenbach developed diverse building typologies to enable a broad spectrum of different developments and to ensure an even distribution of subsidised housing in the entire neighbourhood.

In the advanced design course each group will analyse an existing neighbourhood and examine different typologies in detail. The results will be presented to the entire course in a short presentation. The goal is to develop an extensive repertoire of residential typologies that can be used in the design course.

The course can only be chosen in connection with the corresponding urban design course and is mandatory for it.

Dates: Thu, 2:00 p.m.-3:30 p.m. 11.40, EG, R015

Exam: 20.02.2025

V

**Advanced Urban Design Project Studies (Engel): Mapping the Urban Landscape of Pristina**

1731161, WS 24/25, 1 SWS, Language: English, [Open in study portal](#)

**On-Site**

**Content**

Pristina faces many challenging urban issues: Uncontrolled construction activity, a growing housing shortage, an increase in social inequality, a deficit in green spaces, and the congestion of the transport infrastructure all characterize the capital of Kosovo. A lack of governance structures and weak institutions encourage corruption and illegal developments. Against this backdrop, we will research and analyze selected aspects in our in-depth study with the aim to critically evaluate and visualize Pristina's urban landscape through maps to support the work of the urban design studio. The results will be published in the form of an atlas.

Appointment: Thu

First Meeting: Thu 24.10.2024, 14:00, 11.40 R013

Submission/Exam: Thu 19.12.2024

Form: Teamwork (2)

Number of Participants: 15+2 (BA/MA)

The course can only be chosen in combination with the related design *Matiçan / Pristina. Transform for Resilience (Engel)* and is obligatory for it.

**Advanced Urban Design Project Studies (Bava)**1731211, WS 24/25, 1 SWS, Language: German, [Open in study portal](#)**On-Site****Content**

Attending the course is only possible for participants of the corresponding design project LV 1731210.

Appointment: Thu 9:00AM - 5:15 PM, 11.40, R126

**Advanced Project Studies (Inderbitzin): From Raw Material to Building**1731261, WS 24/25, 1 SWS, Language: German, [Open in study portal](#)**Seminar (S)  
On-Site****Content**

The Studio Black Houses in-depth course is designed to develop the fundamentals and knowledge for the design. The focus is on wood: we want to understand how the raw material is transformed into a building material, how it is joined into supporting structures or used for cladding. The individual research projects are carried out in pairs. The course can only be chosen in conjunction with the associated design, for which it is compulsory.

The Seminar is an integral part of the master-studio *Black houses*. Participation is obligatory for those choosing the design studio. The dates coincide with those of the Master Studio.

Exam: 20.2.2025

**Advanced Building Studies Design (Frohn)**1710103, SS 2025, 1 SWS, Language: German/English, [Open in study portal](#)**On-Site****Content**

The event can only be selected in conjunction with the associated design Blue Banana 010 and is mandatory for this.

**Advanced Architectural Design Studies (Bru)**1710205, SS 2025, 1 SWS, Language: German/English, [Open in study portal](#)**Project (PRO)  
On-Site****Content**

Attending the course is only possible for participants of the design project

**Advanced Architectural Design Studies: (Hartmann)**1710306, SS 2025, 1 SWS, Language: English, [Open in study portal](#)**Project (PRO)  
On-Site****Content**

**Attending the course is only possible for participants of the design project**

**Language:** English

**Advanced Building Studies Design (Brüggen)**1710312, SS 2025, 1 SWS, Language: German, [Open in study portal](#)**Project (PRO)  
On-Site****Content**

The course can only be chosen in connection with the associated Master Studio and is mandatory for it.

First Meeting: 24.04.2025, 10:00 AM, Geb. 20.40, R221,

**Advanced Construction Technology Design Studies (Hebel)**1720602, SS 2025, 1 SWS, Language: German, [Open in study portal](#)**On-Site****Content**

The event can only be chosen in connection with the associated design "Matthäus Vision - Transformation of the Matthäuskirche in Karlsruhe" and is mandatory for it.

**Advanced Construction Technology Design Studies (Kaiser): NEW FROM OLD**1720653, SS 2025, 1 SWS, Language: German, [Open in study portal](#)**Project (PRO)  
On-Site**

**Content**

As an in-depth study, we will search together for building structures. The focus will be on buildings that are due to give way due to their exhausted life cycle. For example, we will locate, inspect and store old roof trusses, backyard sheds and barns.

These structures will be documented by means of a survey and incorporated directly into the design of the master studio. The work process is to be presented in the course of an exhibition on the IBA27 site.

The in-depth study is an integral part of the DOMINO ZIRKULAR master studio. Participation is mandatory if the design studio is chosen. The dates coincide with those of the master studio.

Exam: TBD

**Advanced Construction Technology Design Studies (von Both/Koch)**

1720702, SS 2025, 1 SWS, Language: German, [Open in study portal](#)

**Blended (On-Site/Online)**

**Content**

Within this course, specific topics and aspects of the design project "Ensemble 30.3x" will be dealt with in-depth, processed, and documented. The specific topics will be identified in consultation with the supervisors of the design project at the BLM.

First Meeting: Thursday, 24.04.2025, 9:00 a.m.

Appointment: Thursday by Arrangement, Online by Arrangement

Submission/Exam: Short presentation Tuesday, 05.08.25, Start 9:00 a.m.

Number of Participants: 15

**Organizational issues**

**Voraussetzung:** Teilnahme am BLM-Entwurf "Ensemble 30.x"

**Requirement:** Partition at BLM- Design-planning "Ensemble 30.x"

**Advanced Construction Technology Design Studies (Dörstelmann)**

1720806, SS 2025, 1 SWS, Language: English, [Open in study portal](#)

**Project (PRO)  
On-Site**

**Content**

This course can only be selected in connection with the design studio "Ghana Co-Lab: Co-creating digital pathways for circular construction in Kumasi" (LV1720807), for which it is mandatory.

First Meeting: 24.04.2025

Hand-in: 15.08.2025

**Advanced Design Project Studies 1, 2**

1720982, SS 2025, 0.5 SWS, Language: German, [Open in study portal](#)

**Project (PRO)  
On-Site**

**Content**

The advanced design project study in building technology accompanies a building or urban design studio project and comprises related work on a building physics or technical building services topic. Topic, objectives, suitable tools and a work plan will be discussed and fixed during the first meeting (see module handbook).

Dates by arrangement

**Advanced Urban Design Project Studies: The Chandigarh Challenge: Research, Analytics and Publication (Nepl)**

1731061, SS 2025, 1 SWS, Language: German/English, [Open in study portal](#)

**On-Site**

**Content**

As an extension of the urban design studio "The Chandigarh Challenge: Balancing Cultural Heritage and Future Urban Development", we are accompanying the project with additional research into the origins of Chandigarh and the pioneering work of Le Corbusier, his cousin Pierre Jeanneret, the British architects Maxwell Fry and Jane Drew ('tropical architecture') and the Indian modernists involved, such as Aditya Prakash and Anant Prabhawalkar.

In parallel to research into the architectural history of this prime example of a modernist planned city, the urban structure of Chandigarh will be analysed graphically and subsequently presented in various thematic maps and scales.

The event can only be chosen in connection with the corresponding urban design project "The Chandigarh Challenge: Balancing Cultural Heritage and Future Urban Development" and is mandatory for it.

Appointment: Thu, 2:00 pm, Bldg. 11.40, EG, R015 (the dates will be announced during the seminar)

Exam: 07.08.2025

V

### Advanced Urban Design Project Studies (Engel): Instruments of Water-Sensitive Urban Planning

1731161, SS 2025, 2 SWS, Language: German/English, [Open in study portal](#)

Seminar (S)  
On-Site

#### Content

In this deepening course, strategies and design approaches for water-sensitive and water-resilient urban development will be critically examined and evaluated using national and international case studies. This includes solutions for rainwater management, rainwater utilization and green infrastructures as well as planning strategies, governance structures and the processes of decision-making and citizen participation. How can integrated sustainable and resilient blue-green infrastructures contribute to the transformation and further development of the productive city? The analyses developed provide an important basis for the design work.

Appointments: Thu 14:00-16:00 pm, 11.40 R 013

First meeting: Thu 24.04.2025, 10:00 am, 11.40 R013

Submission/Exam: Thu

Form: Teamwork

The course can only be chosen in conjunction with the corresponding design (Blue-Green Transformation. Reimagining Spinning Mill Area in Ettlingen. (Engel)) and is mandatory for this course.

V

### Advanced Urban Design Project Studies: Think Garden (Schifferli)

1731211, SS 2025, 1 SWS, Language: German/English, [Open in study portal](#)

On-Site

#### Content

This course can only be chosen in conjunction with the related course Urban Planning "Think Garden" and is compulsory for this course.

V

### Advanced Project Studies (Trachsler/Inderbitzin): From Stocktaking to Building History

1731261, SS 2025, 1 SWS, Language: German/English, [Open in study portal](#)

Seminar (S)  
On-Site

#### Content

The *Love Me Two Times* studio's in-depth study is designed to lay the foundations and build the knowledge for the design. The focus is on the site and the existing building: we want to understand the history of the building's development, explore the social context of its use and analyze its influence on its surroundings. We also want to make a detailed record of the existing fabric. The individual pieces of research will be edited into a film and worked on in groups per site (approx. 5 persons). The course can only be chosen in conjunction with the associated design and is compulsory.

Submission/Presentation: 5.6.2024, 11:30 am -14.30 pm, Geb. 11.40, R 115, Presence

Team: Gian Trachsler, Niklas Nalbach, Anna Schork, Maximilian von Zepelin

T

**4.22 Course: Historical Building Research [T-ARCH-107417]**

**Responsible:** Prof. Dr.-Ing. Joaquín Medina Warmburg  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-103676 - Historical Building Research](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each term	1

Events					
WT 24/25	1741375	<a href="#">Historical Building Research: Point Cloud and what Next?</a> <a href="#">Contemporary Methods of Inventory Recording</a>	4 SWS	Practice / 	Busse, Garrido, Juretzko

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

Below you will find excerpts from events related to this course:

V

**Historical Building Research: Point Cloud and what Next? Contemporary Methods of Inventory Recording**
**Practice (ü)**  
**On-Site**

1741375, WS 24/25, 4 SWS, Language: German, [Open in study portal](#)

**Content**

The building turnaround challenges us to stop constructing new buildings and realise the potential of existing buildings instead. This faces architects with major challenges: How can we assess what a historic building can achieve? Which information do we need? Where can we find it? How do we organise the planning material? How do we recognise damage and which restoration measures are appropriate?

In the seminar, we will try methods of contemporary inventory recording (from Disto to 3D scanning, from hand sketches to point clouds) and apply them on a historical building as part of a workshop lasting several days. Excursions and guest lectures will provide an insight and overview of the current state of the art technology available today for recording existing buildings.

Mandatory excursion 22.11. and 13.12. to Stuttgart and on 06.12. and 07.02. to Untersteinbach.

Examination/submission: Analysis/drawings and presentation of a topic. Multi-part term paper and compilation of key questions for discussion in the seminar.

Number of participants: 5

Focus of study: Architectural and Cultural Heritage

## T

## 4.23 Course: History of Architecture [T-ARCH-111795]

**Responsible:** Prof. Dr.-Ing. Joaquín Medina Warmburg  
**Organisation:** KIT Department of Architecture  
**Part of:** M-ARCH-105862 - History of Architecture

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each term	1

Events					
WT 24/25	1741382	Research Seminar: History of Architecture/Urban Planning: Nature in Stone: Plant Species in Gothic Architecture	2 SWS	Seminar / 🌀	Brehm
WT 24/25	1741383	History of Architecture/Urban Planning: KIT200: Exhibition Design	2 SWS	Seminar / 🗣️	Garrido
WT 24/25	1741384	History of Architecture/Urban Planning: Environmental Biographies. KIT200: Decoding Majolika Karlsruhe and its Environmental Networks	2 SWS	Seminar / 🗣️	Garrido
WT 24/25	1741386	History of Architecture/Urban Planning: Creepy Houses. Architecture and the City in the Movies (Part I)	2 SWS	Seminar / 🗣️	Medina Warmburg
WT 24/25	1741387	History of Architecture/Urban Planning: KIT200: Time as Material. About the Culture and Architecture of Cemeteries	2 SWS	Seminar / 🗣️	Medina Warmburg
WT 24/25	1741390	History of Architecture/Urban Planning: KIT 200: Municipal and Private Bath	2 SWS	Seminar / 🗣️	Rind
WT 24/25	1741394	History of Architecture/Urban Planning: Strasbourg/Strasbourg - Cultural Exchange between France and Germany. Aspects of Architectural and Urban Planning between 1830 and 1940	2 SWS	Seminar / 🌀	Gawlik
ST 2025	1741384	Architecture in Film: History of Architecture/Urban Planning: Other Locations (Teil 2)	2 SWS	Seminar / 🗣️	Medina Warmburg
ST 2025	1741385	History of Garden Art: History of Architecture/Urban Planning: Hamburg's Urban Greenery - a Historical Overview of the last 200 Years	2 SWS	Excursion (E / 🗣️)	Medina Warmburg, Gawlik
ST 2025	1741387	History of Cultural Landscapes: History of Architecture/Urban Planning: Resources, Regulation, and Regional Planning: Perspectives on an Environmental History of Architecture in the Early Modern Era	2 SWS	Seminar / 🗣️	Medina Warmburg, Silvestri
ST 2025	1741390	Historical Building Research _ Free Student Research Project	2 SWS	Project (P / 🗣️)	Medina Warmburg, Busse

ST 2025	1741391	<b>Selected Environmental History of Architecture: History of Architecture/Urban Planning: Case Study: Schlossgarten Karlsruhe</b>	2 SWS	Seminar / 🗣️	Medina Warmburg, Garrido
ST 2025	1741394	<b>Applied Historical Building Research_Exercise_Summer School Bronnbach Monastery</b>	2 SWS	Block / 🗣️	Medina Warmburg, Busse

Legend: 🗣️ Online, 🔄 Blended (On-Site/Online), 🗣️ On-Site, ✖ Canceled

### Competence Certificate

Other examination requirements consisting of an oral presentation of about 30 minutes as well as the written worked-out paper on this topic. There are certain courses where the examination requirement is project work consisting of a drawing of the given task.

### Prerequisites

none

Below you will find excerpts from events related to this course:

V

### Research Seminar: History of Architecture/Urban Planning: Nature in Stone: Plant Species in Gothic Architecture

1741382, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

Seminar (S)  
Blended (On-Site/Online)

### Content

Vines, leaves, flowers and fruit adorn Gothic architecture. From stylized forms to naturalistic depictions, nature was captured in stone. Where can these plants be found? Which species were depicted? Which plants were known and what meanings were attributed to them? In the seminar, the depictions of plants in the Gothic period will be traced on various Gothic buildings - the focus will be on Freiburg Minster. . The seminar begins with a compulsory excursion to Freiburg on 25 October 2024 (afternoon).

Submission/Exam: The knowledge acquired will be used to create a small exhibition, which will be organized as part of the seminar. The examination comprises exhibition texts and the development of an exhibition concept.

Number of Participants: 5

Focus of study: Architectural and Cultural Heritage

V

### History of Architecture/Urban Planning: KIT200: Exhibition Design

1741383, WS 24/25, 2 SWS, Language: German/English, [Open in study portal](#)

Seminar (S)  
On-Site

### Content

Next year, the Karlsruhe Institute of Technology will celebrate its 200th anniversary. As the Faculty of Architecture was at the core of the university's foundation, the exhibition will focus on the contributions of KIT professors to the city.

This seminar will assist in designing the KIT's 200th anniversary exhibition, exploring exhibition design references as well as the organization and presentation of material from various departments and research seminars, emphasizing the connections between research, buildings, and architects associated with KIT and the city of Karlsruhe.

Additionally, the seminar will focus on designing the exhibition infrastructure, including spatial layouts, display systems, and support elements, to create a cohesive and engaging experience.

Submission/Exam: presentation and essay due 31.03.2025

Number of Participants: 5

Focus of study: Architectural and Cultural Heritage

V

### History of Architecture/Urban Planning: Environmental Biographies. KIT200: Decoding Majolika Karlsruhe and its Environmental Networks

1741384, WS 24/25, 2 SWS, Language: English, [Open in study portal](#)

Seminar (S)  
On-Site

**Content**

The Majolika factory in Karlsruhe is a key piece of infrastructure in the city. Located near the castle (and the geometric center of Karlsruhe) it has played a crucial role in linking the city with its surroundings by processing, manufacturing, and commercializing ceramic pieces for household, art and architecture.

Majolika's products permeated the inhabitants of Karlsruhe in many ways, from kitchen ware to decorations and even building components. The seminar will try to find, catalog and map the relationships between the factory, its products and its environment, exploring archival information, timelines, drawings, and other architectural tools to study Majolika's infrastructural, physical, natural, and artificial networks.

Submission/Exam: presentation and essay due 31.03.2024

Number of Participants: 7

Focus of study: Architectural and Cultural Heritage

V

### History of Architecture/Urban Planning: Creepy Houses. Architecture and the City in the Movies (Part I)

Seminar (S)  
On-Site

1741386, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

**Content**

As a key medium of modernity, film has depicted and critically reflected on urban lifestyles and the architecture associated with them. Fiction has produced utopian and dystopian images and narratives of the city and architecture, which have eventually been used to design real spaces and structures. These interactions will be explored in a series of movies and seminars over the coming semesters. As a prelude, six films will explore the motif of the "uncanny" in residential architecture. The seminar will be credited for active participation in the preparation, moderation and follow-up of a film evening.

1. Meeting: 31.10.2024

Dates: 6 doubles sessions in November and December

Number of Participants: 12 active participants (6 Bachelor and 6 Master), open to interested members of the public.

Focus of Study: Architectural and Cultural Heritage

V

### History of Architecture/Urban Planning: KIT200: Time as Material. About the Culture and Architecture of Cemeteries

Seminar (S)  
On-Site

1741387, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

**Content**

In monumental tombs and cemeteries, more than in almost any other building, the symbolic power of architecture is immediately apparent. Symbolically charged necropolises mark the beginnings of sedentary settlements and urban civilisation. Even in today's cities, they are heterotopias where the fictional and the real merge. In them, personal memories overlap with collective visions of what the future holds. At the same time, different cultures and religions deal with the decomposition of the dead bodies in different ways, challenging the urban metabolism of the living. To approach these questions, we will begin by analysing a specific case in Karlsruhe: Friedrich Eisenlohr's Crypt Hall and Chapel in the Old Cemetery.

1. Meeting: 29.10.2024

Number of Participants: 10 (5 Bachelor, 5 Master)

Focus of study: Architectural and Cultural Heritage

V

### History of Architecture/Urban Planning: KIT 200: Municipal and Private Bath

Seminar (S)  
On-Site

1741390, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

**Content**

Today, we can't imagine a home without a bathroom. Bathing or showering with hot water straight from the tap is part of our everyday lives. However, this separate room with hot and cold running water and permanently installed ceramics is a relatively new facility. There were much longer bathing rooms and later public baths with bathtubs, spa departments and swimming areas.

We want to trace this development for Karlsruhe, starting with the Vierordtbad. We will examine both Karlsruhe swimming pools and bathhouses as well as private bathrooms in residential buildings. The analysis is based on archive material and site visits. The different views on hygiene and body ideals as well as the technical innovations are just as much a part of the investigation as the time-specific concepts of space and design.

Submission: poster or paper

Number of Participants: 6

Focus of study: Architectural and Cultural Heritage

V

**History of Architecture/Urban Planning: Strasbourg/Strasbourg - Cultural Exchange between France and Germany. Aspects of Architectural and Urban Planning between 1830 and 1940** Seminar (S)  
Blended (On-Site/Online)

1741394, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

**Content**

As part of our block seminar with a one-day excursion to Strasbourg, for which there will be an introductory event (online) on Friday, 25.10.24 at 17:00, we want to deal with French and German projects on urban planning and architecture that were realized in the city with multiple changes of nationality between 1830 and 1940. Both the German and the French heritage form the special feature of Strasbourg as a crossroads of cultures.

Block seminar in Karlsruhe on 21./22.03.2025

Excursion to Strasbourg on 23.03.2025

Entrance fees for the Palais Rohan and the cathedral may apply.

Please make your own travel arrangements to Strasbourg.

Number of Participants: 3

Submission/Exam: presentation/essay 31.03.25

Focus of study: Architectural and Cultural Heritage

V

**Architecture in Film: History of Architecture/Urban Planning: Other Locations (Teil 2)** Seminar (S)  
On-Site

1741384, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

**Content**

*As a defining medium of modernity, film has portrayed and critically reflected on urban lifestyles and the associated architectures. Fiction has produced utopian and dystopian images and narratives of cities and architecture, which have ultimately had a major influence on the conception of real spaces and structures. The second edition of our film series focuses on the interactions of utopian, dystopian and heterotopian counterworlds. The selected movies address the ambivalence of utopian non-places and dystopian non-places and show their conflict-ridden interdependency. Each film screening will be followed by an open discussion round. The aim of the seminar is to open up new perspectives on architecture-related topics. The seminar will be credited for active participation in the preparation, moderation and follow-up of a film evening.*

Number of participants: 15 (6 Bachelor, 6 Master, 3 Art History), open to interested members of the public.

Film evenings: 5 double sessions in May and June

Focus of study: Architectural and Cultural Heritage

V

**History of Garden Art: History of Architecture/Urban Planning: Hamburg's Urban Greenery - a Historical Overview of the last 200 Years** Excursion (EXK)  
On-Site

1741385, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

**Content**

Our four-day block event (11-14.9.25) takes us to Hamburg. The palpable garden lust in the patrician gardens, designed for example by Joseph Ramée (1764-1842) in Blankenese, forms the starting point for the development of urban greenery. During the 19th century, the city's dismantled fortifications were remodelled into today's ramparts (Grosse Wallanlagen, Kleine Wallanlagen, Alter Botanischer Garten, Planten un Blumen). Garden exhibitions and IGAs (International Garden Exhibitions in 1953, 1963 and 1973) have been held here since the end of the 19th century. During the first quarter of the 20th century, the Hamburg Stadtpark and the Altonaer Volkspark were realised after extensive planning. Together with Heino Grunert (former garden monument conservator at the Ministry for Urban Development and the Environment), we will explore this history of the built environment. Admission to the parks is free; individual travel and overnight accommodation.

First Meeting: 25.04.25, 5pm (online)

Excursion: 11.-14.09.25

Submission/Exam: 30.09.2025

Number of Participants: 5 Bachelor/5 Master/2 Art History

Focus of study: Architectural and Cultural Heritage

V

**History of Cultural Landscapes: History of Architecture/Urban Planning: Resources, Regulation, and Regional Planning: Perspectives on an Environmental History of Architecture in the Early Modern Era**

**Seminar (S)  
On-Site**

1741387, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

**Content**

Already in the 15th century, Nuremberg's *Stadtbaumeister* Endres Tucher covered complex environmental factors of urban planning in his *Baumeisterbuch*. Based on the principles of environmental history, the seminar will address the cultural interaction with nature through architecture in the Early Modern period. Topics include waste disposal, disaster prevention, the impact of material extraction, large-scale landscape transformations due to urban foundations, mining industry and canal construction. The aim of the seminar is to explore new perspectives on Early Modern architecture between impact on cultural landscape and interaction with the environment. This will be achieved through a collective analysis of heterogeneous source materials.

Submission/Exam: 30.09.2025

Number of Participants: 5 Bachelor/5 Master/5 Art History

Focus of study: Architectural and Cultural Heritage

V

**Historical Building Research \_ Free Student Research Project**

**Project (PRO)  
On-Site**

1741390, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

**Content**

Die Kompetenz der Transformation im Spannungsfeld von erhalten und erneuern bewusst zu gestalten, verlangt methodisches Vorgehen innerhalb der unterschiedlichen Strategien, den Baubestand zu formen. Diese setzt eine grundlegende Erfassung, Analyse und Bewertung der vorhandenen Bausubstanz voraus. An einem frei gewählten Objekt wird anhand von Archivalien, Bestandsplänen, Aufmass und Veränderungsgeschichte analysiert und mit am Bestand orientierten Nutzungskonfigurationen weiterentwickelt.

1st meeting: Mon 05.05.2025, 2 pm

Appointments by arrangement

Examination/submission: Analysis, drawings and presentation of a topic, Multi-part term paper

Submission: 30.09.2025

Number of participants: 8 bachelor, 8 Master

Focus of study: Architectural and Cultural Heritage

V

### Selected Environmental History of Architecture: History of Architecture/Urban Planning: Case Study: Schlossgarten Karlsruhe

Seminar (S)  
On-Site1741391, SS 2025, 2 SWS, Language: English, [Open in study portal](#)

#### Content

The Schlossgarten in Karlsruhe has been a critical piece of the city's infrastructure since its foundation, serving not only as an illustration of the state's power but also as an integral element of the built environment.

The seminar proposes to explore various components of the park and its history by employing architectural research and representation tools, as well as archival material and documentation. Through these methods, the aim is to uncover, analyze and communicate the intricate layers of overlapping infrastructure in the Schlossgarten, crafting an "urban biography" portraying the city's evolution.

Submission/Exam: presentation and paper due 30.09.2025

Number of participants: 6 BA, 6 MA, 6 Art History

Focus of study: Architectural and Cultural Heritage

V

### Applied Historical Building Research\_Exercise\_Summer School Bronnbach Monastery Block (B)

On-Site

1741394, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

#### Content

The ability to consciously shape the transformation in the field of tension between preservation and renewal requires a methodical approach within the various strategies for shaping the existing building stock. This requires a fundamental recording, analysis and evaluation of the existing building fabric. In the summer school, the hall garden of the monastery in Bronnbach will be analyzed as part of a one-week summer school in archives, as-built plans, measurements and the history of changes and further developed with configurations of use appropriate to the listed building.

**Registration not via Campus Plus. Please come to the 1st meeting.**

1st meeting: Mon 28.04.2025, 2 pm, Bldg. 20.40 room: 015

Mandatory excursion 21.-25.07.2025

Open for Bachelor, Master and Art History

Focus of study: Architectural and Cultural Heritage

T

**4.24 Course: History of Landscape Architecture [T-ARCH-107380]**

**Responsible:** Prof. Henri Bava  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-103638 - History of Landscape Architecture](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each winter term	1

Events					
WT 24/25	1731213	<a href="#">History of Landscape Architecture: Territories</a>	2 SWS	Lecture / Practice ( / 🔄)	Bava

Legend: 📺 Online, 🔄 Blended (On-Site/Online), 📍 On-Site, ✕ Cancelled

**Competence Certificate**

Other examination requirements consisting of a written composition that has to be undertaken together with a smaller design task in the course of the lecture period. The progress monitoring occurs during the study period within the framework of up to two intermediate and one final presentation.

**Prerequisites**

none

*Below you will find excerpts from events related to this course:*

V

**History of Landscape Architecture: Territories**

1731213, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

**Lecture / Practice (VÜ)  
Blended (On-Site/Online)**

**Content****Developing the city out of the landscape**

Accompanying all the other courses of this chair, the lecture „territories“ presents important approaches of Landscape Architecture.

First meeting: 22.10.2024, 2:00 pm, Bldg. 20.40 Egon-Eiermann-Hörsaal

Dates: 22.10.24 / 05.11.24 / 19.11.24 / 03.12.24 / 14.01.25 / 28.01.25

Presentation of the Task: 25.02.25, 2:00 pm

Presentation of the Exercise: 04.03.25, 2:00 pm

Number of Participants: unlimited

Fokus of study: Urban Design

## T

## 4.25 Course: History of Urban Planning [T-ARCH-111793]

**Responsible:** Prof. Dr.-Ing. Joaquín Medina Warmburg  
**Organisation:** KIT Department of Architecture  
**Part of:** M-ARCH-105860 - History of Urban Planning

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each term	1

Events					
WT 24/25	1741382	Research Seminar: History of Architecture/Urban Planning: Nature in Stone: Plant Species in Gothic Architecture	2 SWS	Seminar / 🌀	Brehm
WT 24/25	1741383	History of Architecture/Urban Planning: KIT200: Exhibition Design	2 SWS	Seminar / 🗣️	Garrido
WT 24/25	1741384	History of Architecture/Urban Planning: Environmental Biographies. KIT200: Decoding Majolika Karlsruhe and its Environmental Networks	2 SWS	Seminar / 🗣️	Garrido
WT 24/25	1741386	History of Architecture/Urban Planning: Creepy Houses. Architecture and the City in the Movies (Part I)	2 SWS	Seminar / 🗣️	Medina Warmburg
WT 24/25	1741387	History of Architecture/Urban Planning: KIT200: Time as Material. About the Culture and Architecture of Cemeteries	2 SWS	Seminar / 🗣️	Medina Warmburg
WT 24/25	1741390	History of Architecture/Urban Planning: KIT 200: Municipal and Private Bath	2 SWS	Seminar / 🗣️	Rind
WT 24/25	1741394	History of Architecture/Urban Planning: Strasbourg/Strasbourg - Cultural Exchange between France and Germany. Aspects of Architectural and Urban Planning between 1830 and 1940	2 SWS	Seminar / 🌀	Gawlik
ST 2025	1741384	Architecture in Film: History of Architecture/Urban Planning: Other Locations (Teil 2)	2 SWS	Seminar / 🗣️	Medina Warmburg
ST 2025	1741385	History of Garden Art: History of Architecture/Urban Planning: Hamburg's Urban Greenery - a Historical Overview of the last 200 Years	2 SWS	Excursion (E / 🗣️)	Medina Warmburg, Gawlik
ST 2025	1741387	History of Cultural Landscapes: History of Architecture/Urban Planning: Resources, Regulation, and Regional Planning: Perspectives on an Environmental History of Architecture in the Early Modern Era	2 SWS	Seminar / 🗣️	Medina Warmburg, Silvestri
ST 2025	1741390	Historical Building Research _ Free Student Research Project	2 SWS	Project (P / 🗣️)	Medina Warmburg, Busse

ST 2025	1741391	<b>Selected Environmental History of Architecture: History of Architecture/Urban Planning: Case Study: Schlossgarten Karlsruhe</b>	2 SWS	Seminar / 🗣️	Medina Warmburg, Garrido
ST 2025	1741394	<b>Applied Historical Building Research_Exercise_Summer School Bronnbach Monastery</b>	2 SWS	Block / 🗣️	Medina Warmburg, Busse

Legend: 🖥️ Online, 🔄 Blended (On-Site/Online), 🗣️ On-Site, ✖ Canceled

### Competence Certificate

Other examination requirements consisting of an oral presentation of about 30 minutes as well as the written worked-out paper on this topic. There are certain courses where the examination requirement is project work consisting of a drawing of the given task.

### Prerequisites

none

Below you will find excerpts from events related to this course:

V

### Research Seminar: History of Architecture/Urban Planning: Nature in Stone: Plant Species in Gothic Architecture

1741382, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

Seminar (S)  
Blended (On-Site/Online)

### Content

Vines, leaves, flowers and fruit adorn Gothic architecture. From stylized forms to naturalistic depictions, nature was captured in stone. Where can these plants be found? Which species were depicted? Which plants were known and what meanings were attributed to them? In the seminar, the depictions of plants in the Gothic period will be traced on various Gothic buildings - the focus will be on Freiburg Minster. . The seminar begins with a compulsory excursion to Freiburg on 25 October 2024 (afternoon).

Submission/Exam: The knowledge acquired will be used to create a small exhibition, which will be organized as part of the seminar. The examination comprises exhibition texts and the development of an exhibition concept.

Number of Participants: 5

Focus of study: Architectural and Cultural Heritage

V

### History of Architecture/Urban Planning: KIT200: Exhibition Design

1741383, WS 24/25, 2 SWS, Language: German/English, [Open in study portal](#)

Seminar (S)  
On-Site

### Content

Next year, the Karlsruhe Institute of Technology will celebrate its 200th anniversary. As the Faculty of Architecture was at the core of the university's foundation, the exhibition will focus on the contributions of KIT professors to the city.

This seminar will assist in designing the KIT's 200th anniversary exhibition, exploring exhibition design references as well as the organization and presentation of material from various departments and research seminars, emphasizing the connections between research, buildings, and architects associated with KIT and the city of Karlsruhe.

Additionally, the seminar will focus on designing the exhibition infrastructure, including spatial layouts, display systems, and support elements, to create a cohesive and engaging experience.

Submission/Exam: presentation and essay due 31.03.2025

Number of Participants: 5

Focus of study: Architectural and Cultural Heritage

V

### History of Architecture/Urban Planning: Environmental Biographies. KIT200: Decoding Majolika Karlsruhe and its Environmental Networks

1741384, WS 24/25, 2 SWS, Language: English, [Open in study portal](#)

Seminar (S)  
On-Site

**Content**

The Majolika factory in Karlsruhe is a key piece of infrastructure in the city. Located near the castle (and the geometric center of Karlsruhe) it has played a crucial role in linking the city with its surroundings by processing, manufacturing, and commercializing ceramic pieces for household, art and architecture.

Majolika's products permeated the inhabitants of Karlsruhe in many ways, from kitchen ware to decorations and even building components. The seminar will try to find, catalog and map the relationships between the factory, its products and its environment, exploring archival information, timelines, drawings, and other architectural tools to study Majolika's infrastructural, physical, natural, and artificial networks.

Submission/Exam: presentation and essay due 31.03.2024

Number of Participants: 7

Focus of study: Architectural and Cultural Heritage

V

### **History of Architecture/Urban Planning: Creepy Houses. Architecture and the City in the Movies (Part I)**

Seminar (S)  
On-Site

1741386, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

**Content**

As a key medium of modernity, film has depicted and critically reflected on urban lifestyles and the architecture associated with them. Fiction has produced utopian and dystopian images and narratives of the city and architecture, which have eventually been used to design real spaces and structures. These interactions will be explored in a series of movies and seminars over the coming semesters. As a prelude, six films will explore the motif of the "uncanny" in residential architecture. The seminar will be credited for active participation in the preparation, moderation and follow-up of a film evening.

1. Meeting: 31.10.2024

Dates: 6 doubles sessions in November and December

Number of Participants: 12 active participants (6 Bachelor and 6 Master), open to interested members of the public.

Focus of Study: Architectural and Cultural Heritage

V

### **History of Architecture/Urban Planning: KIT200: Time as Material. About the Culture and Architecture of Cemeteries**

Seminar (S)  
On-Site

1741387, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

**Content**

In monumental tombs and cemeteries, more than in almost any other building, the symbolic power of architecture is immediately apparent. Symbolically charged necropolises mark the beginnings of sedentary settlements and urban civilisation. Even in today's cities, they are heterotopias where the fictional and the real merge. In them, personal memories overlap with collective visions of what the future holds. At the same time, different cultures and religions deal with the decomposition of the dead bodies in different ways, challenging the urban metabolism of the living. To approach these questions, we will begin by analysing a specific case in Karlsruhe: Friedrich Eisenlohr's Crypt Hall and Chapel in the Old Cemetery.

1. Meeting: 29.10.2024

Number of Participants: 10 (5 Bachelor, 5 Master)

Focus of study: Architectural and Cultural Heritage

V

### **History of Architecture/Urban Planning: KIT 200: Municipal and Private Bath**

Seminar (S)  
On-Site

1741390, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

**Content**

Today, we can't imagine a home without a bathroom. Bathing or showering with hot water straight from the tap is part of our everyday lives. However, this separate room with hot and cold running water and permanently installed ceramics is a relatively new facility. There were much longer bathing rooms and later public baths with bathtubs, spa departments and swimming areas.

We want to trace this development for Karlsruhe, starting with the Vierordtbad. We will examine both Karlsruhe swimming pools and bathhouses as well as private bathrooms in residential buildings. The analysis is based on archive material and site visits. The different views on hygiene and body ideals as well as the technical innovations are just as much a part of the investigation as the time-specific concepts of space and design.

Submission: poster or paper

Number of Participants: 6

Focus of study: Architectural and Cultural Heritage

V

**History of Architecture/Urban Planning: Strasbourg/Strasbourg - Cultural Exchange between France and Germany. Aspects of Architectural and Urban Planning between 1830 and 1940** Seminar (S)  
Blended (On-Site/Online)

1741394, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

**Content**

As part of our block seminar with a one-day excursion to Strasbourg, for which there will be an introductory event (online) on Friday, 25.10.24 at 17:00, we want to deal with French and German projects on urban planning and architecture that were realized in the city with multiple changes of nationality between 1830 and 1940. Both the German and the French heritage form the special feature of Strasbourg as a crossroads of cultures.

Block seminar in Karlsruhe on 21./22.03.2025

Excursion to Strasbourg on 23.03.2025

Entrance fees for the Palais Rohan and the cathedral may apply.

Please make your own travel arrangements to Strasbourg.

Number of Participants: 3

Submission/Exam: presentation/essay 31.03.25

Focus of study: Architectural and Cultural Heritage

V

**Architecture in Film: History of Architecture/Urban Planning: Other Locations (Teil 2)** Seminar (S)  
On-Site

1741384, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

**Content**

*As a defining medium of modernity, film has portrayed and critically reflected on urban lifestyles and the associated architectures. Fiction has produced utopian and dystopian images and narratives of cities and architecture, which have ultimately had a major influence on the conception of real spaces and structures. The second edition of our film series focuses on the interactions of utopian, dystopian and heterotopian counterworlds. The selected movies address the ambivalence of utopian non-places and dystopian non-places and show their conflict-ridden interdependency. Each film screening will be followed by an open discussion round. The aim of the seminar is to open up new perspectives on architecture-related topics. The seminar will be credited for active participation in the preparation, moderation and follow-up of a film evening.*

Number of participants: 15 (6 Bachelor, 6 Master, 3 Art History), open to interested members of the public.

Film evenings: 5 double sessions in May and June

Focus of study: Architectural and Cultural Heritage

V

**History of Garden Art: History of Architecture/Urban Planning: Hamburg's Urban Greenery - a Historical Overview of the last 200 Years** Excursion (EXK)  
On-Site

1741385, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

**Content**

Our four-day block event (11-14.9.25) takes us to Hamburg. The palpable garden lust in the patrician gardens, designed for example by Joseph Ramée (1764-1842) in Blankenese, forms the starting point for the development of urban greenery. During the 19th century, the city's dismantled fortifications were remodelled into today's ramparts (Grosse Wallanlagen, Kleine Wallanlagen, Alter Botanischer Garten, Planten un Blumen). Garden exhibitions and IGAs (International Garden Exhibitions in 1953, 1963 and 1973) have been held here since the end of the 19th century. During the first quarter of the 20th century, the Hamburg Stadtpark and the Altonaer Volkspark were realised after extensive planning. Together with Heino Grunert (former garden monument conservator at the Ministry for Urban Development and the Environment), we will explore this history of the built environment. Admission to the parks is free; individual travel and overnight accommodation.

First Meeting: 25.04.25, 5pm (online)

Excursion: 11.-14.09.25

Submission/Exam: 30.09.2025

Number of Participants: 5 Bachelor/5 Master/2 Art History

Focus of study: Architectural and Cultural Heritage

V

### **History of Cultural Landscapes: History of Architecture/Urban Planning: Resources, Regulation, and Regional Planning: Perspectives on an Environmental History of Architecture in the Early Modern Era**

Seminar (S)  
On-Site

1741387, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

**Content**

Already in the 15th century, Nuremberg's *Stadtbaumeister* Endres Tucher covered complex environmental factors of urban planning in his *Baumeisterbuch*. Based on the principles of environmental history, the seminar will address the cultural interaction with nature through architecture in the Early Modern period. Topics include waste disposal, disaster prevention, the impact of material extraction, large-scale landscape transformations due to urban foundations, mining industry and canal construction. The aim of the seminar is to explore new perspectives on Early Modern architecture between impact on cultural landscape and interaction with the environment. This will be achieved through a collective analysis of heterogeneous source materials.

Submission/Exam: 30.09.2025

Number of Participants: 5 Bachelor/5 Master/5 Art History

Focus of study: Architectural and Cultural Heritage

V

### **Historical Building Research \_ Free Student Research Project**

Project (PRO)  
On-Site

1741390, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

**Content**

Die Kompetenz der Transformation im Spannungsfeld von erhalten und erneuern bewusst zu gestalten, verlangt methodisches Vorgehen innerhalb der unterschiedlichen Strategien, den Baubestand zu formen. Diese setzt eine grundlegende Erfassung, Analyse und Bewertung der vorhandenen Bausubstanz voraus. An einem frei gewählten Objekt wird anhand von Archivalien, Bestandsplänen, Aufmass und Veränderungsgeschichte analysiert und mit am Bestand orientierten Nutzungskonfigurationen weiterentwickelt.

1st meeting: Mon 05.05.2025, 2 pm

Appointments by arrangement

Examination/submission: Analysis, drawings and presentation of a topic, Multi-part term paper

Submission: 30.09.2025

Number of participants: 8 bachelor, 8 Master

Focus of study: Architectural and Cultural Heritage

V

### Selected Environmental History of Architecture: History of Architecture/Urban Planning: Case Study: Schlossgarten Karlsruhe

Seminar (S)  
On-Site1741391, SS 2025, 2 SWS, Language: English, [Open in study portal](#)

#### Content

The Schlossgarten in Karlsruhe has been a critical piece of the city's infrastructure since its foundation, serving not only as an illustration of the state's power but also as an integral element of the built environment.

The seminar proposes to explore various components of the park and its history by employing architectural research and representation tools, as well as archival material and documentation. Through these methods, the aim is to uncover, analyze and communicate the intricate layers of overlapping infrastructure in the Schlossgarten, crafting an "urban biography" portraying the city's evolution.

Submission/Exam: presentation and paper due 30.09.2025

Number of participants: 6 BA, 6 MA, 6 Art History

Focus of study: Architectural and Cultural Heritage

V

### Applied Historical Building Research\_Exercise\_Summer School Bronnbach Monastery Block (B)

On-Site

1741394, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

#### Content

The ability to consciously shape the transformation in the field of tension between preservation and renewal requires a methodical approach within the various strategies for shaping the existing building stock. This requires a fundamental recording, analysis and evaluation of the existing building fabric. In the summer school, the hall garden of the monastery in Bronnbach will be analyzed as part of a one-week summer school in archives, as-built plans, measurements and the history of changes and further developed with configurations of use appropriate to the listed building.

**Registration not via Campus Plus. Please come to the 1st meeting.**

1st meeting: Mon 28.04.2025, 2 pm, Bldg. 20.40 room: 015

Mandatory excursion 21.-25.07.2025

Open for Bachelor, Master and Art History

Focus of study: Architectural and Cultural Heritage

## T

## 4.26 Course: Impromptu Designs [T-ARCH-107346]

**Responsible:** Studiendekan/in Architektur  
**Organisation:** KIT Department of Architecture  
**Part of:** M-ARCH-103612 - Impromptu Designs

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each term	2

Events					
WT 24/25	1700053	Stegreif nach freier Wahl		Project (P)	von Both, Dörstelmann, Engel, Frohn, Hartmann, Hebel, Inderbitzin, Morger, Neppl, Wappner
WT 24/25	1710113	Impromptu: Unplanned Plans (Frohn)		Project (P)	Frohn
WT 24/25	1710210	Pavillion, Preserve - Expand (Morger)		Project (P)	Morger, Kunkel, Zaparta, Schneider, Amon
WT 24/25	1710370	Stegreif: talk_talk_talk: Litfaßsäule	1 SWS	Seminar / 🗣️	Craig, Schelble
WT 24/25	1720505	Stegreif (Wappner)		Project (P)	Wappner
WT 24/25	1720554	Stegreif (Klinge)		Project (P / 🗣️)	Klinge, Weber, Michalski
WT 24/25	1720709	Stegreif Kaiserwetter (von Both)	1 SWS	Project (P / 🗣️)	von Both, Seiler-Cuesta
WT 24/25	1720811	Stegreif (Dörstelmann)	1 SWS	Project (P / 🗣️)	Dörstelmann
WT 24/25	1720908	Impromptu: Creatvie space - walking nets with wooden branches (R. Wagner)	1 SWS	Project (P / 🗣️)	Wagner, Ge, Sickinger
WT 24/25	1731062	In the heart of the city - creative ideas for Ettlingen's city centre (Neppl)		Project (P / 🗣️)	Krüger, Neppl
WT 24/25	1731166	Impromptus Urban Design Project (Engel)		Project (P / 🗣️)	Engel
WT 24/25	1731266	Stegreif (Inderbitzin)	1 SWS	Project (P / 🗣️)	Inderbitzin, Schork, Zickert, von Zepelin
ST 2025	1700053	Stegreif nach freier Wahl		Project (P / 🗣️)	Dörstelmann, Engel, Frohn, Hartmann, Hebel, Inderbitzin, Kaiser, La Magna, Neppl, Wappner
ST 2025	1710110	Impromptu Designs (Frohn): (Inhabiting) Unplanned Plans	1 SWS	Project (P / 🗣️)	Frohn, Mori
ST 2025	1710380	Stegreif: #Places under Trees: Sustainable Seating Sculptures	1 SWS	Project (P / 🗣️)	Craig, Schelble
ST 2025	1710381	Stegreif : #Aesthetics of soil (after)life	1 SWS	Project (P)	Craig, Schelble
ST 2025	1710418	Stegreif: Take it to the streets!	1 SWS	Project (P / 🗣️)	Fankhänel
ST 2025	17207010	Impromptu Design (von Both/ Koch): Heart of KIT	1 SWS	Practice / 🗣️	von Both, Koch, Seiler-Cuesta
ST 2025	1720811	Stegreif (Dörstelmann)	1 SWS	Project (P / 🗣️)	Dörstelmann
ST 2025	1720981	Impromptu Design: Free Topic	1 SWS	Project (P / 🗣️)	Wagner

ST 2025	1731091	<a href="#">Stegreif (Neppl): Content and date to be announced</a>	1 SWS	Project (P /  )	Neppl, Zeile
ST 2025	1731166	<a href="#">Impromptus Urban Design Project (Engel) - City Concepting</a>	1 SWS	Project (P /  )	Engel
ST 2025	1731266	<a href="#">Impromptus Urban Design Project (Trachsler/Inderbitzin): One Minute Furniture</a>	1 SWS	Project (P /  )	Inderbitzin, Schork, von Zepelin

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

### Competence Certificate

Other examination requirements consisting of at least four impromptu design projects with a working on time period of respectively a maximum of two weeks. Working on the design tasks takes place individually respectively in groups of two (maximum number). Consultation and feedback appointments may be offered. The progress monitoring takes place during the study course within the framework of one presentation per impromptu design project. There the worked out results are presented and assessed in the form of drawings, models, texts or oral talks. The duration of the respective presentation is approx. 10 minutes. For the grade of the examination requirement the four impromptu design projects are graded as equal parts.

### Prerequisites

none

Below you will find excerpts from events related to this course:



#### Stegreif nach freier Wahl

1700053, WS 24/25, SWS, Language: German/English, [Open in study portal](#)

Project (PRO)

### Content

An independent impromptu design project can be completed at all design professorships. For this purpose the task should be prepared independently. If you are interested, please contact the corresponding professor.



#### Impromptu: Unplanned Plans (Frohn)

1710113, WS 24/25, SWS, Language: English, [Open in study portal](#)

Project (PRO)

### Content

To be announced



#### Pavillion, Preserve - Expand (Morger)

1710210, WS 24/25, SWS, [Open in study portal](#)

Project (PRO)

### Content

'The history of nocturnal debauchery is long and disreputable. For centuries and in all societies, people have gone out in the evening to seek out places to socialise and dance, to intoxicate themselves and escape the constraints of everyday life. The type and nature of these places have changed time and again. In the 19th and early 20th centuries, these included cabarets and dance halls; in the 1950s, jazz clubs and café bars catered to guests' desire for new "worlds of sound". (Night Fever, Design and Club Culture 1960-today, p. 17)

We, too, are on the lookout for new soundscapes in our pavilion.

Our pavilion is to be extended with a roofed DJ booth to complement the existing equipment.

Issue: Wed 04.12.2024 | 13.00 | R113

Submission: Wed 18.12.2024 | 16.00 | R113

Form of work: Individual work

### Organizational issues

Thema und Termin siehe Aushang



#### Stegreif: talk\_talk\_talk: Litfaßsäule

1710370, WS 24/25, 1 SWS, Language: German, [Open in study portal](#)

Seminar (S)  
On-Site

**Content**

The impromptu **#talk\_talk\_talk: advertising pillar** deals with the design of the advertising pillar communication platform. The task develops along the parameters of aesthetics and function. To this end, both the sensory possibilities and needs of senior citizens and the discourse field of "beauty" are to be included in the design. The impromptu takes place in cooperation with the volunteer-run Café Bändel. [www.cafebaendel.de](http://www.cafebaendel.de)

Supervision: Indra Schelble, Department of Fine Arts

**Issue:** Friday 13.12.2024, 14.00 Café Bändel, Breite Str. 58, 76135 Karlsruhe Presentation:

**Presentation:** Friday 17.01. 14.00, 14.00 Café Bändel, Breite Str. 58, 76135 Karlsruhe

**Stegreif (Wappner)**

1720505, WS 24/25, SWS, Language: German, [Open in study portal](#)

**Project (PRO)****Content**

Subject and appointment view announcement

**Organizational issues**

Thema und Termin siehe Aushang

**Stegreif Kaiserwetter (von Both)**

1720709, WS 24/25, 1 SWS, Language: German/English, [Open in study portal](#)

**Project (PRO)  
Blended (On-Site/Online)****Content**

We have set ourselves the task of finding a design solution to shading Kaiserstrasse. Kaiserstrasse is the heat hot spot in Karlsruhe. Constructive solutions are being sought that not only offer sun protection but also additional added value for the Kaiserstrasse

**Appointment presentation task:** Tue.,22/10/2024 09.00 am, Seminar Room BLM

**Hand out Präsentation Result:** Tuesday, 12/11/2024, 12:00 pm

**Stegreif (Dörstelmann)**

1720811, WS 24/25, 1 SWS, Language: German/English, [Open in study portal](#)

**Project (PRO)  
On-Site****Content**

Further information and dates can be found on the notice board outside Building 20.40 Room 131.

**Impromptu: Creatvie space - walking nets with wooden branches (R. Wagner)**

1720908, WS 24/25, 1 SWS, Language: German/English, [Open in study portal](#)

**Project (PRO)  
On-Site****Content**

Block course March 11. - 14. 2025

The Stegreif with a 4-day workshop to introduce you to experiencing, feeling and testing out rope nets and how to support these nets with branch forks. Accompanied by Torsten Frank, senior technical director of Kompan, Berlin.

Location: Westhochschule, Bldg. 06.34, R 006

Mandatory participation in the workshop on 11 + 14.03.2025 from 10.00 a.m. to 4.00 p.m.

Issue of the impromptu task on 12.03.2025

Presentation on 28.03.2025

**In the heart of the city - creative ideas for Ettlingen's city centre (Neppl)**

1731062, WS 24/25, SWS, Language: German/English, [Open in study portal](#)

**Project (PRO)  
Blended (On-Site/Online)**

**Content**

To be announced.

First meeting: 17.12.2024, 2:00 pm, Bldg. 11.40, R015  
 Pin-up: 14.01.2025, 2:00 pm, Bldg. 11.40, R015  
 Submission/Presentation: 21.01.2025, 2:00 pm, Bldg. 11.40, R015  
 Focus of study: Urban Design

**Impromptus Urban Design Project (Engel)**

1731166, WS 24/25, SWS, Language: German/English, [Open in study portal](#)

**Project (PRO)**  
**On-Site**

**Content**

Theme is to be announced on the Homepage.

Issue Topic: tba

Submission/Presentation: tba

Form: Individual Work

Focus of study: Urban Design

Number of Participants: unlimited

**Stegreif (Inderbitzin)**

1731266, WS 24/25, 1 SWS, Language: German, [Open in study portal](#)

**Project (PRO)**  
**Blended (On-Site/Online)**

**Content**

See announcement for topic and date.

**Impromptu Designs (Frohn): (Inhabiting) Unplanned Plans**

1710110, SS 2025, 1 SWS, Language: English, [Open in study portal](#)

**Project (PRO)**  
**Online**

**Content**

As part of the research project Typologische Resilienz, we are exploring the potential of converting vacant office buildings into residential spaces. Previously, suitable dwelling types were translated into machine-readable grammars, enabling the development of a software that can now generate various apartment layouts based on predefined rules regarding surfaces, accessibility, apartment types, and more. Within the Inhabiting Unplanned Plans Stegreif, we critically analyze and test the inhabitability of these computer-generated apartments. Can we refine the machine-generated floorplans into livable spaces? What are the limitations of the software, and where do we still need to intervene spatially? The outcome of this Stegreif will be a set of (overdesigned) floorplans that highlight both the potential and the limitations of software-generated layouts

First Meeting: TBD

Regular meetings: TBD

Submission/Exam: TBD

**Stegreif: #Places under Trees: Sustainable Seating Sculptures**

1710380, SS 2025, 1 SWS, Language: German, [Open in study portal](#)

**Project (PRO)**  
**On-Site**

**Content**

The impromptu #Places under Trees: Sustainable Seating Sculptures deals with the design and construction of sculptural seating for outdoor areas. In addition to beauty of form and creative design, the functionality of the objects plays an important role. The seating sculptures must fulfil the criteria of public spaces, i.e. be safe, stable and weatherproof. With regard to the sustainable use of resources, waste wood, scrap metal and possibly fragments of bulky waste can be considered. The resulting seating sculptures will be set up in public and released for use.

Edition: Tuesday, 13 May 2025, 10:00 am, Building 20.40 Room 204 (drawing room)

Presentation: Tuesday 17 June 2025, 10:00 am, Meriske West, Rheinstetten

Number of participants unlimited

The event will be held in German.

**Stegreif : #Aesthetics of soil (after)life**1710381, SS 2025, 1 SWS, Language: German, [Open in study portal](#)**Project (PRO)****Content**

Participants in the impromptu course #Aesthetics of soil (after)life are invited to think about a user-friendly construction that allows an archaeological view into the soil and at the same time offers the opportunity to observe the different soil layers with their different soil life. Specific challenges need to be addressed here - e.g. safety in public spaces, groundwater levels, material properties, etc. Other factors that the design should fulfil are the possibility of pedagogical education through observation and the aesthetics of simple solutions that are largely oriented towards functionality.

Edition: Friday, 16 May 2025, 15:00, Building 20.40 Room 204 (drawing room)

Presentation: Friday 20 June 2025, 15:00, Building 20.40 Room 204 (drawing room)

Number of participants unlimited

The event will be held in German.

**Stegreif: Take it to the streets!**1710418, SS 2025, 1 SWS, Language: English, [Open in study portal](#)**Project (PRO)  
On-Site****Content**

In contrast to architectural photography, the perfectly staged, over-aestheticized building is not the center of attention in street photography. It addresses the city in its everyday appearance and in the interaction with the people who move around in it. The Stegreif, in collaboration with the Karlsruhe Architekturschaufenster, invites students to take their very own look at the city.

The Stegreif will take place on 2 entire days 24.-25.4.

Thu 17.07. 18.00-20.00 Mandatory final event at the Architekturschaufenster: AT goes A SF

**Impromptu Design (von Both/Koch): Heart of KIT**17207010, SS 2025, 1 SWS, Language: German/English, [Open in study portal](#)**Practice (Ü)  
Online****Content**

The courtyard of honor of the KIT and especially the entrance area of building 10.91. are no longer up to date. As an international, open, innovative and lively institution, KIT would like to counter this impression and is proposing the design of a holistic and modern central courtyard. The Ehrenhof is home to the oldest buildings and the two oldest faculties (ARCH and MACH). Barrier-free access to building 10.91., a more open and transparent design of the entrance area, and the creation of a covered bicycle parking area are to play a central role in the design.

Hand over: Tuesday, 22.04.2025, 9:00 a.m. Seminar Room BLM

Presentation: Tuesday, 06.05.2024, 9:00 a.m

Number of Participants: unlimited

**Organizational issues**

Master

**Stegreif (Dörstelmann)**1720811, SS 2025, 1 SWS, Language: English, [Open in study portal](#)**Project (PRO)  
On-Site****Content**

Further information and dates can be found on the notice board outside Building 20.40 Room 131.

**Impromptu Design: Free Topic**1720981, SS 2025, 1 SWS, [Open in study portal](#)**Project (PRO)  
Online****Content**

Development of a sound idea for a task related to building technology and convincing presentation. Agreement about the topic at the institute.

Dates by arrangement.

V

**Impromptus Urban Design Project (Engel) - City Concepting**1731166, SS 2025, 1 SWS, Language: German/English, [Open in study portal](#)**Project (PRO)  
On-Site****Content**

The Theme is to be announced on the Homepage.

Issue: tba

Submission: tba

Presentation: tba

Number of participants: unlimited

Focus of study: Urban Design

V

**Impromptus Urban Design Project (Trachsler/Inderbitzin): One Minute Furniture**1731266, SS 2025, 1 SWS, Language: German/English, [Open in study portal](#)**Project (PRO)  
On-Site****Content**

One meter more table for more people. A place for your coffee cup in the morning. A light for your book in the evening. We would like to have these furniture right now. Practically in a minute. The shopping list for the DIY store and the self-drawn assembly instructions encourage us to build it ourselves. Without tools, we try to brace, force or wedge the pieces together. Thanks to the easily detachable joints, the parts can be taken apart and put back into the cycle for the next One Minute Furniture.

First Meeting: to be announced

Submission/Presentation: will be announced

Bldg. 11.40, R 115, Presence

Team:

## T

## 4.27 Course: Independent Student Research Project [T-ARCH-107382]

**Responsible:** Studiendekan/in Architektur  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-103639 - Research Fields](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each term	1

Events					
WT 24/25	1720809	<a href="#">Freie Studienarbeit: Digital Design and Fabrication</a>	1 SWS	Seminar /	Dörstelmann
WT 24/25	1720980	<a href="#">Independent Student Research Project</a>	0.5 SWS	Others (sons /	Wagner, Mann, Mino Rodriguez, Alanis Oberbeck
ST 2025	1700054	<a href="#">Independent Student Research Project</a>	1 SWS	Project (P /	Dörstelmann, Engel, Frohn, Hartmann, Hebel, Hinterwaldner, Inderbitzin, Jehle, Kaiser, Klinge, La Magna, Medina Warmburg, Meister, Neppl, Rambow, Wagner, Wappner
ST 2025	1720809	<a href="#">Freie Studienarbeit: Digital Design and Fabrication</a>	1 SWS	Seminar /	Dörstelmann
ST 2025	1720980	<a href="#">Independent Student Research Project: Building Physics or Technical Building Services</a>	0.5 SWS	Project (P /	Wagner, Mino Rodriguez, Mann

Legend: Online, Blended (On-Site/Online), On-Site, Cancelled

### Competence Certificate

Other examination requirements consisting of a specific research-oriented assignment undertaken. The topic must, at the very beginning of starting work on it, be coordinated and approved by the supervising area or discipline, stating clearly the scope, time frame and qualitative criteria being applied. The requirement is worked on in the form of scientific texts with explanatory graphics; a presentation is also possible.

### Prerequisites

none

Below you will find excerpts from events related to this course:

## V

### Freie Studienarbeit: Digital Design and Fabrication

1720809, WS 24/25, 1 SWS, Language: German/English, [Open in study portal](#)

**Seminar (S)  
On-Site**

### Content

The course offers an opportunity for students to develop their own research- and design-led investigations, addressing issues of digital circular construction and sustainability through computational design, innovative construction methods, material systems and digital fabrication. Interested students can contact the Professur Digital Design and Fabrication to determine possible topics or to propose their ideas. Topics must be discussed and agreed upon with DDF prior to application.

First Meeting: by prior arrangement

Submission/Exam: by prior arrangement

## V

### Independent Student Research Project

1720980, WS 24/25, 0.5 SWS, Language: German/English, [Open in study portal](#)

**Others (sonst.)  
On-Site**

**Content**

Independent study on a topic in building physics or technical building services. Topic, objectives, suitable tools and a work plan will be discussed and fixed during the first meeting (also see module handbook).

First meeting: by arrangement 20.40 R 235

Examination: by arrangement

**Independent Student Research Project**

1700054, SS 2025, 1 SWS, Language: German/English, [Open in study portal](#)

**Project (PRO)  
Blended (On-Site/Online)**

**Content**

Independent Student Research Project can be completed at any "Fachgebiet". If you are interested, please contact the respective professor.

**Freie Studienarbeit: Digital Design and Fabrication**

1720809, SS 2025, 1 SWS, Language: English, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

The course offers an opportunity for students to develop their own research- and design-led investigations, addressing issues of digital circular construction and sustainability through computational design, innovative construction methods, material systems and digital fabrication. Interested students can contact the Professur Digital Design and Fabrication to determine possible topics or to propose their ideas. Topics must be discussed and agreed upon with DDF prior to application.

First Meeting: by prior arrangement

Submission/Exam: by prior arrangement

**Independent Student Research Project: Building Physics or Technical Building Services**

1720980, SS 2025, 0.5 SWS, Language: German, [Open in study portal](#)

**Project (PRO)  
On-Site**

**Content**

Independent study on a topic in building physics or technical building services. Topic, objectives, suitable tools and a work plan will be discussed and fixed during the first meeting (also see module handbook).

Dates by arrangement

**Organizational issues**

nach Vereinbarung

T

## 4.28 Course: Indoor Lighting Technology and Concepts [T-ARCH-111337]

**Responsible:** Prof. Andreas Wagner  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-105680 - Special Topics of Building Physics](#)

Type	Credits	Grading scale	Recurrence	Version
Oral examination	2	Grade to a third	Each winter term	1

Events					
WT 24/25	1720963	<a href="#">Special Topics of Building Physics: Lighting Technologies and Concepts for Spaces</a>	2 SWS	Lecture / 	Wagner, Alanis Oberbeck

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

### Competence Certificate

Oral exam of 25 minutes on the contents of the course.

### Prerequisites

none

### Workload

60 hours

Below you will find excerpts from events related to this course:

V

## Special Topics of Building Physics: Lighting Technologies and Concepts for Spaces Lecture (V) On-Site

1720963, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

### Content

The students get insight into lighting technology and design from an architectural perspective. The lectures address physical and physiological fundamentals with regard to light, questions of perception, the interrelation between light and health, basic lighting terminology, daylighting, artificial light sources, lighting control as well as calculation and simulation approaches. Embedded project work examines characteristics and key indicators which have been introduced in the lectures for selected spaces. For qualification targets see module handbook.

Appointment: Mon. 11:30 AM - 13:00 PM, 20.40, Grüne Grotte

Mon. 14:00 PM - 15:30 PM, (fortnightly) 20.40, Grüne Grotte

First meeting: Mon. 28.10.2024, 11:30 AM - 13:00 PM,

Submissio/Exam: 03.03.2025,

Number of Participants: 10

Attention: This lecture with a volume of 2 credits is part of the module „Special Topics of Building Physics“. It can be combined with “Noise Protection and Acoustics” in the winter term or with “Fire Protection” or “Energy-efficient Buildings” in the summer term.

### Literature

Vorlesungsunterlagen als pdf, Empfehlungen für weiterführende Literatur

T

**4.29 Course: Integral Planning [T-ARCH-107359]**

**Responsible:** Prof. Dr.-Ing. Petra von Both  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-103617 - Integral Planning](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each winter term	1

Events					
WT 24/25	1720703	<a href="#">Integral Planning: Method-based Design</a>	4 SWS	Lecture / Practice ( / 🔄)	von Both

Legend: 📺 Online, 🔄 Blended (On-Site/Online), 📍 On-Site, ✕ Cancelled

**Competence Certificate**

The main focus of the other examination requirement is drawing up a written/planning-focused composition encompassing approx. 10 pages. In addition, a 15-minute presentation and discussion of the results.

**Prerequisites**

none

Below you will find excerpts from events related to this course:

V

**Integral Planning: Method-based Design**

1720703, WS 24/25, 4 SWS, Language: German, [Open in study portal](#)

Lecture / Practice (VÜ)  
Blended (On-Site/Online)

**Content**

Planning and design methods help us to separate from traditional, partly unconsciously used solution patterns and to expand the solution space consciously. They can support us in the analysis of the "planning problem" as well as in the development of solution approaches and planning concepts and in the decision-making process. During the course, selected methods for the different planning phases will be presented and applied in exercises. In addition to an introduction to the basics of planning and design methodology, creativity techniques, methods for function-based planning, morphological methods for conceptual design as well as formal methods for form-finding will be taught.

Tuesdays 09:45 Uhr – 11:15 am/13:00 pm, mixed presence/ online

Supervision (by arrangement) and workshop partly online via MSTEams, Miro Board

**First appointment:** Tuesday, 10/22/2024, 9:45 am

**Examination Date:** Tuesday, 02/25/2025, 09.45 am

**6 Bachelor/ 6 Master**

T

## 4.30 Course: Interdisciplinary Design of Steel Structures [T-ARCH-113852]

**Responsible:** Prof. Dr.-Ing. Riccardo La Magna  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-106915 - Interdisciplinary Design of Steel Structures](#)

Type	Credits	Grading scale	Recurrence	Expansion	Version
Examination of another type	4	Grade to a third	Each summer term	1 terms	1

Events					
WT 24/25	1720755	<a href="#">Interdisciplinary Design of Steel Structures: Design and Construction of a Footbridge</a>	2 SWS	Seminar / 	La Magna, Ummenhofer, Andersson Lagueche

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

### Competence Certificate

Examination of another kind consisting of a structural design:

- Drawing and description of the building,
- plans with documentation,
- two intermediate presentations and final presentation, each approx. 15 min.

Below you will find excerpts from events related to this course:

V

### Interdisciplinary Design of Steel Structures: Design and Construction of a Footbridge Seminar (S)

1720755, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

On-Site

### Content

The design of a pedestrian bridge usually involves close collaboration between architects and civil engineers. Such a task awaits you in this interdisciplinary seminar:

In the course "Design and Construction", the design of a pedestrian bridge is developed in collaboration with civil engineering students. The designs are developed in mixed groups. The aim of this course is to train students from both disciplines on an interdisciplinary spectrum. This should not only impart an understanding of statics, structural design and detail planning, but also train interdisciplinary communication skills.

The course can be credited as the compulsory Master's module "Building & Structure" and thus serves as an alternative compulsory module.

The course can also be supplemented by a Design Build module with 2 SWS.

1st meeting: 22.10.24; 14:00; Building 20.40; Room 113

Regular date: Tuesday 14:00 - 15:30

Submission/exam: 04.03.2025 (TBD)

Number of participants: 15

## T

## 4.31 Course: Interdisciplinary Design of Timber Structures [T-ARCH-112497]

**Responsible:** Prof. Dr.-Ing. Philipp Dietsch  
Prof. Dr.-Ing. Riccardo La Magna

**Organisation:** KIT Department of Architecture

**Part of:** [M-ARCH-106126 - Interdisciplinary Design of Timber Structures](#)

Type	Credits	Grading scale	Recurrence	Expansion	Version
Examination of another type	4	Grade to a third	Each summer term	1 terms	1

Events					
WT 24/25	6213904	<a href="#">Timber Structures: Materials and Appropriate Design</a>	4 SWS	Lecture / Practice ( / 🗣️)	Sandhaas, Frese, La Magna, Kuck, Müller
ST 2025	1720755	<a href="#">Interdisciplinary Design of Timber Structures: Play! Indoor</a>		Seminar / 🗣️	La Magna, Dietsch, Müller, Aurand, Frohnhöfer
ST 2025	6213803	<a href="#">Interdisciplinary Structural Development in Timber Construction</a>	4 SWS	Lecture / Practice ( / 🗣️)	Dietsch, La Magna

Legend: 🗣️ Online, 🗣️🗣️ Blended (On-Site/Online), 🗣️ On-Site, ✕ Cancelled

**Competence Certificate**

Examination of another kind consisting of a structural design:

- Drawing and description of the building,
- plans with documentation,
- two intermediate presentations and final presentation, each approx. 15 min.

Below you will find excerpts from events related to this course:

## V

**Timber Structures: Materials and Appropriate Design**

6213904, WS 24/25, 4 SWS, Language: German, [Open in study portal](#)

**Lecture / Practice (VÜ)  
On-Site**

**Content**

The interdisciplinary seminar "Timber Structures: Materials and Appropriate Design" covers the building material wood, the derived construction products, and their appropriate application. It addresses issues in timber construction and their backgrounds (hygroscopicity, anisotropy, heterogeneity, biological properties) and derives methods for developing robust and reliable timber construction details in practice.

Furthermore, it discusses typical load-bearing structures in timber construction, their load-bearing mechanisms, the necessary construction and connection elements, and their advantages and disadvantages. This includes examining various damage scenarios and their causes to prevent such damage in the future and to design durable constructions.

This seminar serves in addition as preparation for the interdisciplinary design seminar "Interdisciplinary Structural Development in Timber Construction," which is offered in the summer semester.

1st meeting: 25.10.2024; 2:00 p.m.

Rule date: Friday 2:00 p.m. – 5:15 p.m.

Delivery/Examination: after announcement!

Number of participants: unlimited

**Organizational issues**

Diese Veranstaltung ist auch für Studierende der Architektur am KIT offen. Die Inhalte der mündlichen Prüfung werden für diese angepasst (= 4 ECTS).

## V

**Interdisciplinary Design of Timber Structures: Play! Indoor**

1720755, SS 2025, SWS, Language: German/English, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

Sports halls are places of encounter. The structure of sports halls is a central design element due to the required span widths. Close collaboration between architects and civil engineers is therefore essential to create an atmosphere of interaction.

This is precisely the challenge you will face in this interdisciplinary seminar: In "Play! Indoor", you will work together with civil engineering students to design a sports hall using timber construction. The reference project is located in the Karlsruhe area, requiring careful consideration of the existing building structure.

Designs will be developed in mixed teams, with each participant contributing their specific expertise to collaboratively create a detailed timber construction project from the very beginning. The goal of this course is to provide students from both disciplines with interdisciplinary training. In addition to enhancing understanding of structural mechanics, load-bearing structures, and timber construction, the course also aims to strengthen cross-disciplinary communication skills.

The project is supported by the House of Competence through workshops on interdisciplinary collaboration, teamwork, and communication skills. The course can be credited as the master's core module "Building and Structure – Structural Design and Planning."

First Meeting: 22.04.2025; 03:45 pm

Bldg. 10.50, HS 502

Regular meeting: Tuesday 02:00 pm – 3:30 pm OR 03:45 pm – 05:15 pm

Submission/Exam: to be announced

Number of Participants: 12

Focus of study: Building Technology



### Interdisciplinary Structural Development in Timber Construction

6213803, SS 2025, 4 SWS, Language: German/English, [Open in study portal](#)

Lecture / Practice (VÜ)  
On-Site

**Content**

#### From concept to detail - interdisciplinary structural development in timber construction

This event is aimed at students of architecture and civil engineering with the aim of promoting dialogue and integrative work in the closely linked disciplines through personal experience.

In an iterative process, equal teams from both facilities develop a structural timber building of simple and clear use from the concept to the detail. In doing so, they contribute extensive prior knowledge and backgrounds, represent them constructively in the project and are responsible for the subject-specific parts of the final project documentation.

With the support of the House of Competence HoC, there should also be room for getting to know the different technical languages, working methods and cultures in addition to project work.

**Start** Tuesday 22.04.2025, 3:45 pm - 5:15 pm, Bldg.10.50 room 502 Campus Süd chair library timber construction

#### Appointment weekly

Interdisciplinary group work, examination

Condition for participation:

Condition for participation:

Recommodation is the successful completion of the seminar on building materials and material-specific constructions in timber construction

#### Organizational issues

Geb. 10.50, Raum 502

T

**4.32 Course: International Urban Design [T-ARCH-107376]**

**Responsible:** Prof. Dr.-Ing. Barbara Engel  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-103634 - International Urban Design](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each summer term	1

Events					
WT 24/25	1731171	<a href="#">International Urban Design: Metropol.X – Santiago de Chile</a>	2 SWS	Seminar / 	Engel, Staab

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

**Competence Certificate**

Other examination requirements each consisting of seminar papers in written and/or drawn form consisting of maximum 20 pages and a presentation or an oral talk lasting maximum 20 minutes.

**Prerequisites**

none

Below you will find excerpts from events related to this course:

V

**International Urban Design: Metropol.X – Santiago de Chile**

1731171, WS 24/25, 2 SWS, Language: English, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

The metropolitan region around Santiago is home to almost half of the Chilean population. Although the seat of government is in Valparaiso, it is the undisputed political center of the country. Due to the rapid population development over the last 40 years, the city is exposed to massive problems of air and water pollution. The reason is infrastructural overload and industrial emissions in combination with the geographical basin location at the foot of the Andes. At the same time, urban development has created high levels of socioeconomic segregation. In the seminar, selected aspects of the city will be mapped, critically evaluated and finally visualized. The result is an atlas of the contemporary urban landscape of Santiago de Chile.

Appointment: Tue 09:45–11:15 Uhr, 11.40, R 013

First Meeting: Tue 22.10.2024

Pin-up: Tue 03.12.2024

Presentation: Tue 04.02.2025

Submission: Tue 04.03.2025

Number of Participants: 12 (MA)

Groupwork: Teamwork

Focus of Study: Urban Design

T

**4.33 Course: Landscape Typologies [T-ARCH-107379]**

**Responsible:** Prof. Henri Bava  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-103637 - Landscape Typologies](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each summer term	1

Events					
ST 2025	1731214	<a href="#">Landscape Typologies: Magnificent Gardens</a>	2 SWS	/ 	Schifferli, Zuber

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

**Competence Certificate**

Other examination requirements consisting of a written paper (15 pages) and an oral presentation (15 min.). The progress monitoring occurs during the study period within the framework of two intermediate and one final presentation in addition to a two-time text correction.

**Prerequisites**

none

*Below you will find excerpts from events related to this course:*

V

**Landscape Typologies: Magnificent Gardens**

1731214, SS 2025, 2 SWS, Language: German/English, [Open in study portal](#)

**On-Site****Content**

Inspired by the search for truth and meaningfulness - a degli eroici furori of gardens - a collection of gardens of the world is created, which is not just a geographical inventory, but a mnemonic approach to agri cultura as a medium of thought. This convolute is more than a collection of gardens - it is a cartography of thought, a topological structure of memory that brings order to the diversity of different meanings. It records gardens not only as physical spaces, but also as symbolic places in which philosophical, ethnological, social and aesthetic concepts are condensed.

Gardens are chroniclers of their time. They reflect the respective world view, man's relationship to nature and its idea of beauty and order. Every garden is an idea translated into landscape, a combination of the factual and the imaginary. The collection, which is to be developed together and is constantly growing, makes these relationships visible - links botanical reality with cultural interpretation and opens up a new perspective on the different forms, cultural areas and eras of our planet.

Using measurable criteria, the students research gardens and document them as part of the garden collection.

1st meeting: 23.04.2025, 10:00 a.m., Bldg 11.40, R 126

Regular appointment: fortnightly Wed 9:00 a.m.

Last date of care: 23.07.2025

Exam: 13.08.2025

Form of work: Individual work

Number of participants: 14 (Master 12, Incomer 2)

T

**4.34 Course: Lecture Series 1 [T-ARCH-111335]**

**Responsible:** Studiendekan/in Architektur  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-105676 - Lecture Series](#)

**Type**  
Completed coursework

**Credits**  
2

**Grading scale**  
pass/fail

**Recurrence**  
Each term

**Version**  
1

Events					
WT 24/25	1700003	<a href="#">Lecture Series IEB - Materials Turnaround Lecture Series</a>	2 SWS	Lecture / 	Hebel
ST 2025	1710409	<a href="#">Lecture Series Architectural Theory: Terms of Engagement</a>	2 SWS	Lecture / 	Fankhänel

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

**Prerequisites**  
none

**Workload**  
60 hours

Below you will find excerpts from events related to this course:

V

**Lecture Series IEB - Materials Turnaround Lecture Series**

1700003, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

**Lecture (V)  
Online**

**Content**

The construction sector is a major contributor to global greenhouse gas emissions, waste generation, raw material and energy consumption. The building turnaround that needs to be brought about is directly linked to a material turnaround. On the one hand, the substitution of mineral building materials by natural and secondary building materials is crucial for this, on the other hand strategies of sufficiency and resource efficiency to enable the long overdue transformation in the construction industry.

The lecture series "Material Turnaround" will explain, among other things, the meaning and principles of sustainable action, demonstrate alternatives to the use of mineral building materials, and teach the basics of circular design and construction. The lecture series takes place as a cooperation between the Natural Building Lab (Technical University of Berlin), the Chair of Architecture and Wood Construction (Technical University of Munich) and the Chair of Sustainable Building (Karlsruhe Institute of Technology). This initiative helps to raise awareness for sustainable building methods in order to successfully implement the goals of the building turnaround.

Participating professorships:  
 Architektur und Holzbau (ATC), Technische Universität München  
 Nachhaltiges Bauen (IEB), Karlsruher Institut für Technologie  
 Natural Building Lab (NBL), Technische Universität Berlin

1st Appointment: 22.10.2024

Tuesdays 15:45-17:15 by Zoom

Link for Zoom is in Ilias-Course

V

**Lecture Series Architectural Theory: Terms of Engagement**

1710409, SS 2025, 2 SWS, Language: English, [Open in study portal](#)

**Lecture (V)  
On-Site**

**Content**

In the lecture series we will work toward currently relevant key concepts of architectural theory and history. Each lecture will present, examine and scrutinize one term. By drawing on the knowledge of previous lectures, annotating and expanding it, over the years we will build up a dynamic network of terms that challenge us to engage.

**Architectural and Cultural Heritage**

Tue 15.45-17.15 / 22.4. introduction

Thu 17.07. 18.00-20.00 Mandatory final event at the Architekturschaufenster: AT goes A SF

T

**4.35 Course: Lecture Series 2 [T-ARCH-111336]****Organisation:** KIT Department of Architecture**Part of:** [M-ARCH-105676 - Lecture Series](#)**Type**  
Completed coursework**Credits**  
2**Grading scale**  
pass/fail**Recurrence**  
Each term**Version**  
1

Events					
WT 24/25	1700003	<a href="#">Lecture Series IEB - Materials Turnaround Lecture Series</a>	2 SWS	Lecture / 	Hebel
ST 2025	1710409	<a href="#">Lecture Series Architectural Theory: Terms of Engagement</a>	2 SWS	Lecture / 	Fankhänel

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled**Prerequisites**

none

**Workload**

60 hours

*Below you will find excerpts from events related to this course:*

V

**Lecture Series IEB - Materials Turnaround Lecture Series**1700003, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)**Lecture (V)**  
**Online****Content**

The construction sector is a major contributor to global greenhouse gas emissions, waste generation, raw material and energy consumption. The building turnaround that needs to be brought about is directly linked to a material turnaround. On the one hand, the substitution of mineral building materials by natural and secondary building materials is crucial for this, on the other hand strategies of sufficiency and resource efficiency to enable the long overdue transformation in the construction industry.

The lecture series "Material Turnaround" will explain, among other things, the meaning and principles of sustainable action, demonstrate alternatives to the use of mineral building materials, and teach the basics of circular design and construction. The lecture series takes place as a cooperation between the Natural Building Lab (Technical University of Berlin), the Chair of Architecture and Wood Construction (Technical University of Munich) and the Chair of Sustainable Building (Karlsruhe Institute of Technology). This initiative helps to raise awareness for sustainable building methods in order to successfully implement the goals of the building turnaround.

Participating professorships:

Architektur und Holzbau (ATC), Technische Universität München

Nachhaltiges Bauen (IEB), Karlsruher Institut für Technologie

Natural Building Lab (NBL), Technische Universität Berlin

1st Appointment: 22.10.2024

Tuesdays 15:45-17:15 by Zoom

Link for Zoom is in Ilias-Course

V

**Lecture Series Architectural Theory: Terms of Engagement**1710409, SS 2025, 2 SWS, Language: English, [Open in study portal](#)**Lecture (V)**  
**On-Site****Content**

In the lecture series we will work toward currently relevant key concepts of architectural theory and history. Each lecture will present, examine and scrutinize one term. By drawing on the knowledge of previous lectures, annotating and expanding it, over the years we will build up a dynamic network of terms that challenge us to engage.

Architectural and Cultural Heritage

Tue 15.45-17.15 / 22.4. introduction

Thu 17.07. 18.00-20.00 Mandatory final event at the Architekturschaufenster: AT goes A SF

T

**4.36 Course: Master's Thesis [T-ARCH-111362]**

**Responsible:** Studiendekan/in Architektur  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-105693 - Module Master's Thesis](#)

Type	Credits	Grading scale	Recurrence	Version
Final Thesis	30	Grade to a third	Each term	3

**Competence Certificate**

The Master's thesis is an architectural design project with an accompanying scientific paper. The progress monitoring takes place within the framework of a presentation. There the worked out results in the form of drawings, models, texts and oral talks are presented and assessed. The duration of the presentation is approx. 30 minutes per person.

**Prerequisites**

Passed module exams that encompass 86 credit points. It is highly recommended that one has collected all of the points (90 CP) by the start of working on the thesis respectively that only the key skills qualifications be worked on parallel to writing one's Master's thesis.

**Final Thesis**

This course represents a final thesis. The following periods have been supplied:

<b>Submission deadline</b>	6 months
<b>Maximum extension period</b>	3 months
<b>Correction period</b>	8 weeks

T

**4.37 Course: Methods, Strategies and Mechanisms of Urban Design [T-ARCH-107411]**

**Responsible:** Prof. Dr.-Ing. Barbara Engel  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-103670 - Methods, Strategies and Mechanisms of Urban Design](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each winter term	1

Events					
WT 24/25	1731173	<a href="#">Methods, Strategies and Mechanisms of Urban Design: City in Focus. Interdisciplinary Planning and Designing</a>	2 SWS	Seminar / 	Engel, Neppl, Kannen

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

**Competence Certificate**

Other examination requirements consisting of an oral presentation lasting approx. 20 minutes as well as a written paper on it that encompasses a maximum of 20 pages or a research task or a concept whose type and scope depends on the respective task being assigned.

**Prerequisites**

none

Below you will find excerpts from events related to this course:

V

**Methods, Strategies and Mechanisms of Urban Design: City in Focus. Interdisciplinary Planning and Designing**

1731173, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

**Seminar (S)  
Blended (On-Site/Online)**

**Content**

In order to be able to meet the complex challenges of urban development, the understanding and knowledge of methods and tools of urban planning as well as formats of communication and participation in planning are of central importance. Demographic change, the integration of immigrant people, changed forms of mobility and the threat to natural livelihoods as well as increasing digitalization are changing cities and the requirements for planning. In the seminar, an understanding of the interrelationships and interrelationships of design, technical, economic, ecological and social issues in urban development and urban planning in sociology, urban technology and economics as well as planning law is conveyed and discussed in reflection groups.

The seminar is operated in cooperation with the University of Stuttgart.

Appointment: Mon 2:00 - 3:30 pm, 11.40, online

First Meeting: Mon 21.10.2024, 2.00 pm, online

Reflectiondays: 11.11.2024, 02.12.2024, 13.01.2025, 03.02.2025

Submission/Exam: 03.03.2025

Number of Participants: 12

Form: teamwork, interuniversity

Focus of study: Urban Design

T

**4.38 Course: Office Hospitation [T-ARCH-109969]**

**Responsible:** Studiendekan/in Architektur  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-105682 - Key Qualifications](#)

Type	Credits	Grading scale	Recurrence	Version
Completed coursework	2	pass/fail	Each term	1

Events				
ST 2025	1700049	<a href="#">Office Hospitation</a>		/ 

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

**Workload**

30 hours

*Below you will find excerpts from events related to this course:*

V

**Office Hospitation**1700049, SS 2025, SWS, Language: German, [Open in study portal](#)**Online****Content**

Approx. 1-week internship at municipal, state and/or federal building authorities (partly as a block, partly individual days).

Appointment: individually by arrangement.

Introductory event: Beginning of May, date to be announced

Duration: approx. 60 hours 2LP

T

## 4.39 Course: Participation Doctoral Colloquium [T-ARCH-112875]

**Responsible:** Studiendekan/in Architektur  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-103639 - Research Fields](#)

Type	Credits	Grading scale	Version
Completed coursework	0	pass/fail	1

Events					
ST 2025	1700055	<a href="#">Doctoral Colloquium</a>	0 SWS	Colloquium (K /  )	Wagner

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

### Competence Certificate

The coursework consists of the one-time participation in the one-day doctoral colloquium of the KIT Department of Architecture.

Below you will find excerpts from events related to this course:

V

### Doctoral Colloquium

1700055, SS 2025, 0 SWS, Language: German, [Open in study portal](#)

**Colloquium (KOL)**  
On-Site

### Content

Participation is compulsory as part of the Master's thesis preparation. Registration for the course is required. Attendance will be confirmed after the event.

Workshop on Research in social responsibility

Short presentations on current doctoral theses of the faculty

Wednesday 07.05.2024 14:00-17:30

T

**4.40 Course: Performance Analysis for Buildings [T-ARCH-107362]**

**Responsible:** Prof. Andreas Wagner  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-103620 - Performance Analysis for Buildings](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each winter term	1

Events					
WT 24/25	1720972	<a href="#">Performance Analysis for Buildings</a>	2 SWS	Seminar / 	Wagner, Mino Rodriguez

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

**Competence Certificate**

Other examination requirements consisting of two to three presentations and the discussion thereof on partial tasks of the seminar lasting altogether 45 minutes. The tasks build up on one another; therefore, the order sequence of the presentations is binding.

**Prerequisites**

none

Below you will find excerpts from events related to this course:

V

**Performance Analysis for Buildings**

1720972, WS 24/25, 2 SWS, Language: English, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

This seminar provides students with comprehensive knowledge of Ladybug and Honeybee tools, which are essential for environmental modelling in design. By utilizing Ladybug tools, students can gain an in-depth understanding of climate analysis, while Honeybee supports thermodynamic modelling through EnergyPlus. These tools, in combination with Grasshopper and Rhino software, provide a dynamic and iterative platform that facilitates environmental decision-making during the early design phase of a project. The seminar covers both theoretical and practical aspects of passive design concepts, as well as energy demand and thermal comfort evaluation. Furthermore, the course is topic-oriented and includes exercises that are based on a specific case study. For more information on the marking scheme and seminar objectives, please refer to the module manual.

Appointment: Tue, 02:00 PM - 03:30 PM 20.40, Architektur, R240

First meeting: Tue, 22.10.2024, 02:00 PM

Submission/Exam: 04.03.2025

## T

**4.41 Course: Photogrammetry for Architects [T-BGU-108204]**

**Responsible:** Dr.-Ing. Thomas Vögtle  
**Organisation:** KIT Department of Civil Engineering, Geo and Environmental Sciences  
**Part of:** [M-BGU-104001 - Photogrammetry for Architects](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each term	1

Events					
WT 24/25	6072204	<a href="#">Photogrammetry in Architecture</a>	3 SWS	Lecture / Practice ( / ☞)	Weidner
ST 2025	6072204	<a href="#">Photogrammetry of Architecture</a>	4 SWS	Lecture / Practice ( / ☞)	Weidner

Legend: Online, Blended (On-Site/Online), On-Site, Cancelled

Below you will find excerpts from events related to this course:

## V

**Photogrammetry in Architecture**

6072204, WS 24/25, 3 SWS, Language: German, [Open in study portal](#)

**Lecture / Practice (VÜ)  
Blended (On-Site/Online)**

**Content**

After the differentiation of the photogrammetry over other measuring procedures recording systems, basic admission as well as evaluation procedures are presented in detail. In practical exercises, these are translated into real examples.

Appointment: Fr, 09:45 - 13:00, Schwiddefsky HS / SKY

1st meeting: Fri, 27.10.2023

Exam / Final presentation: 08.12.2023

**Organizational issues**

1. Hälfte der Vorlesungszeit

## V

**Photogrammetry of Architecture**

6072204, SS 2025, 4 SWS, Language: German, [Open in study portal](#)

**Lecture / Practice (VÜ)  
Blended (On-Site/Online)**

**Content**

After the demarcation of the photogrammetry over other measuring procedures recording systems, basic admission as well as evaluation procedures are presented in detail. In practical exercises, these are translated into real examples.

Appointment: Fr, 09:45-13:00

1st meeting: Fri, 25.04.2025

Number of participants: 10 Master,10 Bachelor

T

**4.42 Course: Planning and Building with Light [T-ARCH-107363]**

**Responsible:** Prof. Andreas Wagner  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-103621 - Planning and Building with Light](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each summer term	1

Events					
ST 2025	1720974	<a href="#">Planning and Building with Light</a>	2 SWS	Seminar / 	Wagner, Alanis Oberbeck

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

**Competence Certificate**

Other examination requirements consisting of two to three presentations and the discussion thereof on partial tasks of the seminar lasting altogether 45 minutes. The tasks build up on one another; therefore, the order sequence of the presentations is binding.

**Prerequisites**

none

*Below you will find excerpts from events related to this course:*

V

**Planning and Building with Light**

1720974, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

The students are introduced into different planning tools for lighting design. Besides fundamentals of modelling for lighting simulations and techniques for measuring light, simulation programs for evaluation of daylighting and artificial lighting situations in interior spaces are addressed and applied in the seminar. Depending on the projects, physical models are built and investigated, e.g. in an artificial sky. Thematic focuses as daylight usage, visual comfort and interrelations of light with other indoor climate parameters are investigated in the seminar and discussed on the basis of simulations and/or measurements performed on individual design projects or models. For qualification targets see module handbook.

Appointment: Mo 11:30 AM - 15:30 PM, fortnightly Grüne Grotte

First meeting: Mon. 28.04.2025 11:30 AM

Examination: 04.08.2025

Number of Participants: 16

## T

## 4.43 Course: Planning and Constructing [T-ARCH-108456]

**Responsible:** Prof. Ludwig Wappner  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-104076 - Planning and Constructing](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each term	1

Events					
WT 24/25	1720506	<a href="#">Planning and Constructing: Mobility in Rural Areas - Mobility Hubs - A New Culture of Transferring</a>	4 SWS	Seminar / 	Wappner, Schneemann, Huismans
ST 2025	1720506	<a href="#">Planning and Constructing: Modular Constructions USM Areal in Münsingen CH</a>	2 SWS	Seminar / 	Wappner, Kochhan, Hörmann
ST 2025	1720557	<a href="#">Planning and Constructing: Building Turnaround Lecture Series: Perspectives on Existing Buildings</a>	2 SWS	Lecture / 	Klinge, Weber, Michalski

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

### Competence Certificate

Other examination requirements that are each made up of seminar work assignments in written and/or drawn form encompassing a maximum of 20 pages and a presentation or an oral talk lasting a maximum of 20 minutes.

### Prerequisites

none

Below you will find excerpts from events related to this course:

## V

### Planning and Constructing: Mobility in Rural Areas - Mobility Hubs - A New Culture of Transferring

1720506, WS 24/25, 4 SWS, Language: German/English, [Open in study portal](#)

Seminar (S)  
On-Site

### Content

The seminar "Mobility in rural areas" deals with the current challenges and opportunities in mobility. In view of demographic changes and the advent of digitalization in the world of work, rural areas are facing major challenges. New potentials of the transport transition in the form of typologies such as "mobility hubs" are highlighted. These can strengthen the identity of localities and ensure various transport options, services and local supply. In collaboration with the Institute of Geography and Geoecology, we will develop basic principles of mobility that will be transferred to local conditions and translated into a built typology. The designs will be elaborated in the impromptu seminar. The design results will be presented at the selected locations.

Regular date: Thursday morning

1st meeting: 22 or 23.10.2024

Intermediate critique: to be announced

Participants: 15 MA

Submission/presentation: 06.03.2025

Form of processing: Individual work / 2-part group work

Form of course: Presence

Language: German/English

Supervision: Prof. Ludwig Wappner, Falk Schneemann, Mathis Huismans

V

**Planning and Constructing: Modular Constructions USM Areal in Münsingen CH**1720506, SS 2025, 2 SWS, Language: German/English, [Open in study portal](#)**Seminar (S)  
On-Site****Content**

*In connection with the topic of the Bachelor's thesis in the summer semester, which deals with a research center for the development of modular construction methods as well as their potential and design challenges, the seminar examines resource-saving, flexible, efficient and aesthetically pleasing solutions. Modular building typologies and best-case examples will be analyzed - from the 1950s to the present day - in order to identify and discuss findings and impulses for current challenges and requirements, particularly in residential, educational and commercial construction.*

*In addition to the central themes of innovation, flexibility, sustainability and resource conservation, particular importance will also be attached to the building culture and design aspect in order to enable the knowledge gained to be transferred to the present day.*

Regular date: Thursday morning Room 20.40 R240

1st meeting: **30.04.2025 at 11 am**

Participants: 15 MA/BA6

Form of work: Individual work / 2-person group work

Form of course: Presence

Language: German/English

V

**Planning and Constructing: Building Turnaround Lecture Series: Perspectives on Existing Buildings**1720557, SS 2025, 2 SWS, Language: German, [Open in study portal](#)**Lecture (V)  
Online****Content****Perspectives on the existing**

Second lecture series of the university network "Together for the building turnaround"

Following the great success of the first series of events in the summer semester 2024, the lecture series of the university network "Together for the building turnaround in teaching" is entering its second round. From May 7 to June 25, 2025, the series of events will take place online every Wednesday from 4:00 to 6:00 pm.

The construction industry is one of the most resource-intensive sectors and contributes significantly to the climate crisis. A sustainable transformation therefore requires a fundamental reassessment of existing planning and construction processes. Under the title "Perspectives on the existing", the lecture series is dedicated to the question of how ecological and socially just planning and construction can succeed and be more strongly integrated into academic education. With this series of events, the university network aims to provide further impetus for sustainable architectural education.

The hybrid event format enables broad participation from various universities and disciplines. The lectures will shed light on key aspects of the building transition in a dialogical format and deal with topics from theory and history, processes and digitalization, economics and the common good as well as energy, comfort and standards. The focus will also be on construction and circularity, social issues in the context of cities and neighborhoods as well as building culture and design.

The lecture series is aimed at students, lecturers and anyone interested in architecture, civil engineering, urban planning and related disciplines. Participation is free of charge. Further information on registration and the specific lecture topics will follow shortly.

The university network, founded in 2024, is actively committed to anchoring sustainable teaching content and promotes interdisciplinary exchange between colleges, academies and universities in the fields of architecture, urban planning and civil engineering.

We look forward to your participation and stimulating discussions on the building transition in teaching!

Dates:

07.05.25 Intro

14.05.25 Building Culture &amp; Design

21.05.25 City, Neighborhood &amp; Society

28.05.25 Construction &amp; Circularity

04.06.25 Energy, comfort &amp; standards

11.06.25 Economy &amp; common good

18.06.25 Processes &amp; digitalization

25.06.25 Theory &amp; History

## T

## 4.44 Course: Preparation Master's Thesis [T-ARCH-107383]

**Responsible:** Studiendekan/in Architektur  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-103639 - Research Fields](#)

Type	Credits	Grading scale	Recurrence	Version
Completed coursework	2	pass/fail	Each term	2

Events					
WT 24/25	1700054	<a href="#">Preparation Master's Thesis</a>		Project (P)	von Both, Engel, Frohn, Hartmann, Hebel, Inderbitzin, Neppl
ST 2025	1700050	<a href="#">Preparation Master's Thesis</a>		Project (P /  )	Dörstelmann, Engel, Frohn, Hartmann, Hebel, Inderbitzin, Klinge, Neppl

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

### Competence Certificate

Completed coursework consisting of a self-formulated differentiated task that the students set themselves for their own MA thesis. During one's studies at least two supervisory sessions take place; the requirement is worked on in the form of scientific texts with explanatory graphics.

### Prerequisites

The partial achievement "Participation in doctoral colloquium" must be passed.

### Modeled Conditions

The following conditions have to be fulfilled:

1. The course [T-ARCH-112875 - Participation Doctoral Colloquium](#) must have been passed.

Below you will find excerpts from events related to this course:

## V

### Preparation Master's Thesis

1700054, WS 24/25, SWS, Language: German/English, [Open in study portal](#)

**Project (PRO)**

### Content

In the semester before the start of the Master's thesis, the "Master's thesis preparation" component must be completed. There, the Master's candidate should develop the topic or research question for their thesis through independent research work.

The information event for this will take place on 14.10.2024 at 13:30 in lecture hall 9.

### Organizational issues

Bearbeitung nach Absprache und Terminplan

## V

### Preparation Master's Thesis

1700050, SS 2025, SWS, Language: German/English, [Open in study portal](#)

**Project (PRO)  
On-Site**

### Content

In the semester before the start of the Master's thesis, the partial performance "Preparation Master's Thesis" must be completed. There, the Master Candidate should develop the topic or the question for his / her work by independent research work.

### Organizational issues

Bearbeitung nach Absprache und Terminplan

T

**4.45 Course: Professional Detailed Planning [T-ARCH-107402]**

**Responsible:** Dipl.-Ing. Matthias Zöller  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-103659 - Professional Detailed Planning](#)

Type	Credits	Grading scale	Recurrence	Version
Written examination	4	Grade to a third	Each summer term	1

Events					
ST 2025	1720850	<a href="#">Professional Detailed Planning</a>	2 SWS	Block / 🗨️	Zöller

Legend: 📺 Online, 🔄 Blended (On-Site/Online), 🗨️ On-Site, ✕ Cancelled

Below you will find excerpts from events related to this course:

V

**Professional Detailed Planning**

1720850, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

**Block (B)**  
**On-Site**

**Content**

In this course, the most important principles, rules and standards of professional detailed planning are explained in detail and discussed using practical examples:

Application of technical rules, moisture protection of components in contact with the ground by waterproofing or concrete, flat and pitched roofs, inverted roof insulation, special features of wooden roofs, barrier-free doorsteps, moisture protection of basements and roofs in existing buildings.

The event is offered in 5 day blocks.

1st meeting: 05.08.2024, 09:30 am Bldg. 20.40, HS will be announced

Dates: Fri 08.08., Mon 11.08., Wed 11.08., Fri 15.08., Mon 18.08. Times: 09:30 am - 05:00 pm

Place to be announced.

Examination/delivery: 21.08.2025

Number of participants: 50

Focus of Study: Building Technology

## T

**4.46 Course: Project Management [T-ARCH-112102]**

**Responsible:** Hon.-Prof. Kai Fischer  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-105957 - Project Management](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each summer term	1

Events					
ST 2025	1720616	<a href="#">Project Management</a>	2 SWS	Seminar / 	Fischer

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

**Competence Certificate**

Other examination requirements consisting of a written paper.

*Below you will find excerpts from events related to this course:*

## V

**Project Management**

1720616, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

**Seminar (S)**  
**Blended (On-Site/Online)**

**Content**

Construction projects require the use of modern and complex management methods. Qualities, costs and deadlines are important building blocks that must be planned and controlled in all project phases - also in order to be able to realize a design in a creatively convincing way. The seminar supports a holistic and integrated view of construction from project development through project preparation, project planning and execution to the acceptance of a building. In addition to the technical aspects, this also includes the economic and legal aspects of a project. Parallel to the input lectures and workshops a semester assignment is worked on. Project management practices should be tested and solution approaches developed. The aim of the seminar is to learn how to understand and apply project management as a tool.

Appointment: Mo, 9:45-11:15 am, Bldg. 20.40, HS 9

T

**4.47 Course: Public Building Law [T-ARCH-107412]**

**Responsible:** Hon.-Prof. Dr. Werner Finger  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-103671 - Public Building Law](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each summer term	1

Events					
WT 24/25	1731190	<a href="#">Public Building Law</a>	2 SWS	Lecture / 	Finger

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

Below you will find excerpts from events related to this course:

V

**Public Building Law**

1731190, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

**Lecture (V)  
On-Site**

**Content**

If possible please obtain the relevant legal texts (Building Code and Building Utilization Ordinance as well as the current version of the Baden-Württemberg Building Code) before the first lecture.

Exam: Mon 24.02.2025

T

**4.48 Course: Quarter Analysis [T-ARCH-107375]**

**Responsible:** Prof. Markus Neppl  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-103633 - Quarter Analysis](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each winter term	1

Events					
WT 24/25	1731095	<a href="#">Quarter Analysis: Urban India - Spatial Structures and Typologies in Metropolitan Areas</a>	2 SWS	Seminar / 	Neppl, Giralt

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

**Competence Certificate**

Other examination requirements consisting of an oral presentation of the work results (duration approx. 15 minutes).

**Prerequisites**

none

Below you will find excerpts from events related to this course:

V

**Quarter Analysis: Urban India - Spatial Structures and Typologies in Metropolitan Areas**

**Seminar (S)  
On-Site**

1731095, WS 24/25, 2 SWS, Language: German/English, [Open in study portal](#)

**Content**

With an urban population below 40%, India is experiencing one of the most dynamic urbanization processes globally.

In addition, India surpassed China in terms of population size in April 2023, largely due to its rapid population growth. For this reason, we will examine urban development in South Asia with a focus on urban growth patterns and prevailing building typologies in metropolitan areas like Delhi, Mumbai and Hyderabad.

After a brief dive into the history of these fascinating cities we focus on the urban structures, mobility networks and open spaces. In order to achieve comparable results, we will select three representative areas in each city for detailed analysis. The objective is to gain insights into current urban patterns and typologies, which will then be summarized in a publication.

Appointment: Wed, 9:45 am-1:00 pm, Bldg. 11.40, R015

First meeting: 23.10.2023

Submission/Presentation: 27.01.2025

Number of Participants: 14

Focus of study: Urban Design

Form: Teamwork (groups of 2)

## T

## 4.49 Course: Research Seminar [T-ARCH-107381]

**Responsible:** Studiendekan/in Architektur  
**Organisation:** KIT Department of Architecture  
**Part of:** M-ARCH-103639 - Research Fields

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each term	1

Events					
WT 24/25	1710411	Architectural Theory/Research Seminar: Reading Beyond the Buildings	2 SWS	Seminar / 🔄	Fankhänel, Knoop
WT 24/25	1710414	Architectural Theory/Research Seminar: Criticising Architecture	2 SWS	Seminar / 🔄	Fankhänel, Wilkinson
WT 24/25	1720981	Research Seminar: Solar Facade elements with PVT Technology for direct Heating and Cooling with the Sun	2 SWS	Seminar / 🗓️	Wagner
WT 24/25	1731098	Research Seminar/Special Topics of Urban Design: Urban Digital Twins as a Planning Basis for Solar Potential and Monument Protection	4 SWS	Seminar / 🗓️	Neppl, Zeile
WT 24/25	1731180	Research Seminar: Transformative Planning Culture. Strategies. Plans. Projects.	2 SWS	Seminar / 📱	Engel
WT 24/25	1741382	Research Seminar: History of Architecture/Urban Planning: Nature in Stone: Plant Species in Gothic Architecture	2 SWS	Seminar / 🔄	Brehm
ST 2025	1720606	Research Seminar: Seaweed, hemp, autumn leaves – Future-oriented insulation materials for the building industry. A research seminar of the KIT Material Library.	4 SWS	Seminar / 🗓️	Hebel, Böhm
ST 2025	1720610	Seminarweek: re:making architecture - look back and move forwards	4 SWS	Excursion (E / 🗓️)	Müller, Busse, Gerteiser
ST 2025	1720977	Research Fields: Heating, cooling, power generation - an innovative solar façade system for existing buildings	2 SWS	Seminar / 🗓️	Wagner, Kaul, Weber
ST 2025	1731095	Research Seminar/Special Topics of Urban Design: Climate, energy, cultural heritage + X - Urban digital twins as a simulation tool for urban planning	4 SWS	Seminar / 🗓️	Neppl, Zeile
ST 2025	1731172	City Theory/Research Seminar: New Collaborations. Urban Practice of Change.	2 SWS	Seminar / 🗓️	Engel, Staab

Legend: 📱 Online, 🔄 Blended (On-Site/Online), 🗓️ On-Site, ✕ Cancelled

### Competence Certificate

Other examination requirements consisting of a specific research-oriented assignment undertaken. The topic must, at the very beginning of starting work on it, be coordinated and approved by the supervising area or discipline, stating clearly the scope, time frame and qualitative criteria being applied. The requirement is worked on in the form of scientific texts with explanatory graphics; a presentation is also possible.

**Prerequisites**

none

Below you will find excerpts from events related to this course:

V

**Architectural Theory/Research Seminar: Reading Beyond the Buildings**1710411, WS 24/25, 2 SWS, Language: German/English, [Open in study portal](#)**Seminar (S)  
Blended (On-Site/Online)****Content**

Architecture and urban space are part of an infrastructure for political participation and legal citizenship, such as through the organisation and aesthetic impact of public space and cultural and political institutions. After the Second World War, the discipline of architecture was given the task by the United Nations of not only solving housing problems, but also having an impact on international relations. This also marked the beginning of an examination of architectural spaces of colonialism, human rights violations or discrimination. How was and is the discipline involved or responsible? What positions does it adopt today? In this research seminar, we want to read, discuss and research 'beyond the buildings' based on texts from architectural theory, political science and post-colonial studies.

Focus of study: Architectural and Cultural Heritage / the texts to be edited will be in english

Monday 2-5:15 pm in person/online 14daily

Intro: Monday 21.10.24

Workshop 1: Monday 4.11.24

Workshop 2: Monday 9.12.24

Workshop 3: Monday 27.01.25

Final Event: 30.01.25, at the Architekturschaufenster: AT goes A SF

Number of Participants: 8

V

**Architectural Theory/Research Seminar: Criticising Architecture**1710414, WS 24/25, 2 SWS, Language: English, [Open in study portal](#)**Seminar (S)  
Blended (On-Site/Online)****Content**

In this research seminar we will consider the role of criticism in architecture: what it means to be critical, how criticism functions as a professional practice, what relationship criticism has to design, and what criticism can do today. We will read and analyse some key examples, as well as some theoretical reflections on the form, and then produce a short piece of criticism ourselves.

Focus of study: Architectural and Cultural Heritage

4 x 90 min seminars Fridays 2:00-3:30pm

1: 25.10.24

2: 01.11.24 (online)

3: 06.12.24

4: 17.01.25

Thu 30.01.24, 5:00-8:00pm, Final event at the Architekturschaufenster: AT goes A SF

Number of Participants: 20

V

**Research Seminar: Solar Façade elements with PVT Technology for direct Heating and Cooling with the Sun**1720981, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)**Seminar (S)  
On-Site****Content**

As part of the seminar, we will be working on an innovative solution for the energy-efficient refurbishment of multi-family buildings, which is also the subject of an ongoing research project at our professorship. A façade module is being developed that enables the simultaneous renovation of the building envelope and heating system and uses the building envelope directly for heating and cooling with the help of solar and heat pump technology. The tasks to be worked on in the seminar include (1) developing a catalog of requirements with regard to suitable façade typologies for such modules and (2) developing initial design and construction solutions for façade integration, including structural and building physics details.

Appointment: Mo. 03:45 PM - 05:15 PM, 20.40, R 240

First meeting: 21.10.2024, 03:30 PM, R 240

Submission/Exam: 03.03.2025

Number of Participants: 10

V

### Research Seminar/Special Topics of Urban Design: Urban Digital Twins as a Planning Basis for Solar Potential and Monument Protection

Seminar (S)  
On-Site1731098, WS 24/25, 4 SWS, Language: German, [Open in study portal](#)

#### Content

Urban digital twins (UDZ) are virtual models of cities that can visualise, simulate, and ideally optimise physical and functional aspects to improve planning and decision-making processes in urban planning. As part of the seminar, the 'twin' of Landsberg am Lech will be used to create proposals for the design of solar installations in a historical context. The roof, as the 5th façade in the urban space, will be examined virtually in design and monument protection to determine visual axes, historical design spaces and concrete design specifications. The Digital Twin and Monument Protection departments of the City of Landsberg and the Bavarian State Office for Monument Preservation are cooperation partners.

Appointment: Tue, 9:45 am–1:00 pm, Bldg. 11.40, R015

Excursion: during the event

Submission/exam: 25.02.2025

Number of Participants: 20

Focus of study: Urban Design

Form: Teamwork (2)

V

### Research Seminar: Transformative Planning Culture. Strategies. Plans. Projects.

Seminar (S)  
Online1731180, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

#### Content

Cities worldwide are facing urgent challenges: taking care of natural resources, the necessary mobility turnaround, climate mitigation and adaptation and social cohesion are just a few of the programmatic terms of the necessary changes. It is high time to embark on transformative planning and development and to develop processes and instruments for implementation on a broad scale. The cross-university course focuses on the necessary transformative planning of cities and regions from different professional perspectives. Inputs are reflected in discussions. Written elaboration on a key topic. Further lecturers: Prof. Mario Trvtkovic, Prof. Frank Schwartze, Prof. Thorsten Erl a.o.

Appointment: Mon 16:00–17:30, online

First Meeting: Mon 21.10.2024 16:00

Lecture dates: 21.10.2024, 28.10.2024, 04.11.2024, 11.11.2024, 18.11.2024, 25.11.2024, 02.12.2024, 09.12.2024, 16.12.2024 13.01.2025, 20.01.2025

Submission/Exam: 28.02.2025

Number of Participants: unlimited

Focus of Study: Urban Design

V

### Research Seminar: History of Architecture/Urban Planning: Nature in Stone: Plant Species in Gothic Architecture

Seminar (S)  
Blended (On-Site/Online)1741382, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

#### Content

Vines, leaves, flowers and fruit adorn Gothic architecture. From stylized forms to naturalistic depictions, nature was captured in stone. Where can these plants be found? Which species were depicted? Which plants were known and what meanings were attributed to them? In the seminar, the depictions of plants in the Gothic period will be traced on various Gothic buildings - the focus will be on Freiburg Minster. . The seminar begins with a compulsory excursion to Freiburg on 25 October 2024 (afternoon).

Submission/Exam: The knowledge acquired will be used to create a small exhibition, which will be organized as part of the seminar. The examination comprises exhibition texts and the development of an exhibition concept.

Number of Participants: 5

Focus of study: Architectural and Cultural Heritage

V

**Research Seminar: Seaweed, hemp, autumn leaves – Future-oriented insulation materials for the building industry. A research seminar of the KIT Material Library.**Seminar (S)  
On-Site1720606, SS 2025, 4 SWS, Language: German, [Open in study portal](#)**Content**

The materials library houses conventional building materials as well as recyclable building materials made from secondary and renewable raw materials. The seminar focuses on biological insulation materials, which serve both - thermal insulation and summer heat protection. Against the backdrop of climate change and the resulting high relevance of an optimized building envelope, the opportunities and limitations of these insulation materials are examined.

Students will conduct independent and critical research on selected insulation materials, aiming to present sustainable alternatives based on detailed data sheets and physical material samples. The seminar will be accompanied by supervision, workshops, lectures, and excursions.

First Meeting: April 22, 2025

Regular Meeting: Tuesdays, 11.30 - 13.00

Submission/Exam: July 22, 2025

Focus of study: Building Technology

Smaller excursions will take place in the Karlsruhe area.

V

**Seminarweek: re:making architecture - look back and move forwards**Excursion (EXK)  
On-Site1720610, SS 2025, 4 SWS, Language: English, [Open in study portal](#)**Content**

In a small village of eight abandoned and partially dilapidated stone houses in the forests of Piedmont, northern Italy, we participate in their reconstruction and thus familiarize ourselves with traditional stone architecture. We will work hands-on with locally available materials and old building techniques using stone masonry and the application of thermal plasters made of lime and hemp. We gain theoretical knowledge of local architectural history and building culture e.g. by visiting a local restoration site.

1st meeting: Tue, 6.5.25, 15:30h

Excursion: Tue, 10.6. - Fri, 13.6.25

Costs: approx. 350€ incl. meals

Arrival: Self-organization

Accommodation: Campsites available on site. Self-booking for other accommodation.

Type of event: Hands-on workshop

Protective equipment: obligatory&amp;self-organized (safety shoes, gloves, safety goggles)

V

**Research Fields: Heating, cooling, power generation - an innovative solar façade system for existing buildings**Seminar (S)  
On-Site1720977, SS 2025, 2 SWS, Language: German/English, [Open in study portal](#)**Content**

In a research project, a solar façade system is being developed for existing multi-family buildings which enables the buildings to be insulated and at the same time uses the building envelope directly for heating and cooling with the help of solar and heat pump technology. In the seminar, technical material issues will be investigated and, at the same time, a constructive-design task will be worked on together with the Professorship of Construction and Design. Specifically, this involves (1) the examination of insulation materials with regard to environmental compatibility, (2) a life cycle analysis for the façade modules and (3) a design solution for the refurbishment of a standard building with the solar façade system, including structural details.

Mo. 28.04.2025 15:45 PM - 17:15PM R. 240

Examination: 11.08.2025

Number of Participants: 10

V

**Research Seminar/Special Topics of Urban Design: Climate, energy, cultural heritage + X - Urban digital twins as a simulation tool for urban planning**Seminar (S)  
On-Site1731095, SS 2025, 4 SWS, Language: German, [Open in study portal](#)

**Content**

Urban digital twins (UDT) are virtual models of cities that use real-time data to simulate physical and functional aspects and optimise them in order to improve planning and decision-making processes in urban planning. We are investigating this question: How easy are simulations 'in the city', can we create something like this ourselves? In addition to Landsberg's UDT, we will create our own twins and get input from external experts from the fields of smart cities, climate, traffic, design, utilisation and other possible applications. Our cooperation partner is the 'Digital Twin, Climate Protection and Mobility' department of the city of Landsberg am Lech.

Appointment: Tue 9:45 am – 1:00 pm, Bldg. 11.40, R015

First Meeting: 22.04.2025, 9:45 am, Bldg. 11.40, R015

Submission/Exam: 12.08.2025

Number of Participants: 20

V

**City Theory/Research Seminar: New Collaborations. Urban Practice of Change.**

1731172, SS 2025, 2 SWS, Language: German/English, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

The cross-university course (in collaboration with RWTH Aachen, BTU Cottbus, TU Dresden and others) focuses on the changes in urban planning practice. How can the transformation towards socially inclusive, climate-friendly and at the same time more resilient cities succeed? Which forms of co-design and co-production are promising? The research seminar will take a critical look at the specialist input lectures in the form of oral discussions and written papers. The input lectures take place on Mondays, 4–6 pm.

Part of the course is the participation on the 9th University Day of the National Urban Development Policy on June 5th and 6th in Berlin (financially supported).

Appointment: unregular

First Meeting: Tue 22.04.2025, 11.40 R013

Submission/Exam: Tue 15.08.2025

Number of Participants: 3

Form: Single/Teams of two

Focus of study: Urban Design

T

**4.50 Course: Self Assignment HoC-FORUM-SpZ 1 not graded [T-ARCH-111775]**

**Responsible:** Studiendekan/in Architektur  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-105682 - Key Qualifications](#)

Type	Credits	Grading scale	Recurrence	Version
Completed coursework	2	pass/fail	Each term	1

**Competence Certificate**

Completed coursework that varies type-wise and scope-wise, depending upon the course taken.

**Prerequisites**

none

**Self service assignment of supplementary studies**

This course can be used for self service assignment of grade acquired from the following study providers:

- House of Competence
- Sprachenzentrum
- Studium Generale. Forum Wissenschaft und Gesellschaft (FORUM) (ehem. ZAK)

**Annotation**

'Not assigned grades' can be assigned by the students themselves; titel and CP of the grades are taken over.

**Workload**

60 hours

T

**4.51 Course: Self Assignment HoC-FORUM-SpZ 2 not graded [T-ARCH-111776]**

**Responsible:** Studiendekan/in Architektur  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-105682 - Key Qualifications](#)

Type	Credits	Grading scale	Recurrence	Version
Completed coursework	2	pass/fail	Each term	1

**Competence Certificate**

Completed coursework that varies type-wise and scope-wise, depending upon the course taken.

**Prerequisites**

none

**Self service assignment of supplementary studies**

This course can be used for self service assignment of grade acquired from the following study providers:

- House of Competence
- Sprachenzentrum
- Studium Generale. Forum Wissenschaft und Gesellschaft (FORUM) (ehem. ZAK)

**Annotation**

'Not assigned grades' can be assigned by the students themselves; titel and CP of the grades are taken over.

**Workload**

60 hours

T

**4.52 Course: Self Assignment HoC-FORUM-SpZ 3 not graded [T-ARCH-111777]**

**Responsible:** Studiendekan/in Architektur  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-105682 - Key Qualifications](#)

Type	Credits	Grading scale	Recurrence	Version
Completed coursework	2	pass/fail	Each term	1

**Competence Certificate**

Completed coursework that varies type-wise and scope-wise, depending upon the course taken.

**Prerequisites**

none

**Self service assignment of supplementary studies**

This course can be used for self service assignment of grade acquired from the following study providers:

- House of Competence
- Sprachenzentrum
- Studium Generale. Forum Wissenschaft und Gesellschaft (FORUM) (ehem. ZAK)

**Annotation**

'Not assigned grades' can be assigned by the students themselves; titel and CP of the grades are taken over.

**Workload**

60 hours

T

**4.53 Course: Self Assignment HoC-FORUM-SpZ 4 graded [T-ARCH-111778]**

**Responsible:** Studiendekan/in Architektur  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-105682 - Key Qualifications](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	2	Grade to a third	Each term	1

**Competence Certificate**

according to the assignment to be credited

**Prerequisites**

none

**Self service assignment of supplementary studies**

This course can be used for self service assignment of grade acquired from the following study providers:

- House of Competence
- Sprachenzentrum
- Studium Generale. Forum Wissenschaft und Gesellschaft (FORUM) (ehem. ZAK)

**Annotation**

'Not assigned grades' can be assigned by the students themselves; titel and CP of the grades are taken over.

**Workload**

60 hours

T

**4.54 Course: Self Assignment HoC-FORUM-SpZ 5 graded [T-ARCH-111779]**

**Responsible:** Studiendekan/in Architektur  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-105682 - Key Qualifications](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	2	Grade to a third	Each term	1

**Competence Certificate**

according to the assignment to be credited

**Prerequisites**

none

**Self service assignment of supplementary studies**

This course can be used for self service assignment of grade acquired from the following study providers:

- House of Competence
- Sprachenzentrum
- Studium Generale. Forum Wissenschaft und Gesellschaft (FORUM) (ehem. ZAK)

**Annotation**

'Not assigned grades' can be assigned by the students themselves; titel and CP of the grades are taken over.

**Workload**

60 hours

T

**4.55 Course: Self Assignment HoC-FORUM-SpZ 6 graded [T-ARCH-111780]**

**Responsible:** Studiendekan/in Architektur  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-105682 - Key Qualifications](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	2	Grade to a third	Each term	1

**Competence Certificate**

according to the assignment to be credited

**Prerequisites**

none

**Self service assignment of supplementary studies**

This course can be used for self service assignment of grade acquired from the following study providers:

- House of Competence
- Sprachenzentrum
- Studium Generale. Forum Wissenschaft und Gesellschaft (FORUM) (ehem. ZAK)

**Annotation**

'Not assigned grades' can be assigned by the students themselves; titel and CP of the grades are taken over.

**Workload**

60 hours

## T

## 4.56 Course: Seminar Week [T-ARCH-111342]

**Responsible:** Studiendekan/in Architektur  
**Organisation:** KIT Department of Architecture  
**Part of:** M-ARCH-105682 - Key Qualifications

Type	Credits	Grading scale	Recurrence	Version
Completed coursework	2	pass/fail	Each term	1

Events					
ST 2025	1700033	Seminar Week: Small Scale Models – Digital Study Workshop	1 SWS	Block / 🎧	Jäger
ST 2025	1700034	Seminar Week: Analogue and Black/White	1 SWS	Block / 🎧	Seeland
ST 2025	1710109	Seminar Week: Archival Bastards	2 SWS	Seminar / 🎧	Frohn, Streicher
ST 2025	1710206	Seminar Week: La Conquête du Soleil (Bru)	1 SWS	Block / 🎧	N.N., Zaparta
ST 2025	1710304	Seminar Week: Athens	2 SWS	Block / 🎧	Hartmann, Kadid, Coricelli, Vansteenkiste, Zucchello
ST 2025	1710360	Seminarweek: "furniture under the open sky"	2 SWS	Block / 🎧	Craig, Okujeni
ST 2025	1710412	Seminar week: Architecture on Display	1 SWS	Excursion (E / 🎧)	Fankhänel
ST 2025	1710455	Seminar week: Concrete Communication: Berlin	1 SWS	Block / 🎧	Rambow
ST 2025	1720509	Seminar Week: Munich Reloaded (Wappner)	1 SWS	Block / 🎧	Wappner, Kochhan, Sadi
ST 2025	1720556	Seminar Week: Ultra circular (Klinge)	1 SWS	Block / 🎧	Klinge, Michalski, Weber
ST 2025	1720608	Seminarweek: Copenhagen - hygge and circular	1 SWS	Excursion (E / 🎧)	Hebel, Yi, Boerman
ST 2025	1720651	Seminar Week: Building with straw - practical laboratory	1 SWS	Block / 🎧	Kaiser, Büchle, Erlewein
ST 2025	1720706	Seminarweek: BIM-Projects and Measurment	2 SWS	Block / 🎧	von Both, Sartorius, Schöner
ST 2025	1720761	Seminar Week: Digital Skins	1 SWS	Block / 🎧	La Magna, Dörstelmann, Fuentes Quijano, Andersson Largueche
ST 2025	1720810	Seminar week: RoboticWoodConstruction	1 SWS	Block / 🎧	Dörstelmann, La Magna, Fischer, Zanetti, Witt, Haußer
ST 2025	1720983	Seminar Week: Use your senses - subjective and objective evaluation of rooms		Block / 🎧	Wagner, Mann, Kaul
ST 2025	1731094	Seminarweek: Sun x Heritage Protection	1 SWS	Block / 🎧	Neppl, Zeile
ST 2025	1731199	Seminar Week: The Edible Unseen (Engel)	1 SWS	Block / 🎧	Engel, Lev, Staab
ST 2025	1731219	Seminar Week: The gardens of Suzhou	1 SWS	Block / 🎧	Schifferli, Romero Carnicero, Mühlbauer, Zuber
ST 2025	1731299	Seminarweek: Balearic Islands	1 SWS	Block / 🎧	Inderbitzin, Schork, von Zepelin

ST 2025	1741383	Excursion: Seminar Week: Granada. A Digital Survey of the Masterpieces of the Baroque	2 SWS	Block / 	Medina Warmburg, Garrido
ST 2025	1741386	History of Architecture: Seminar week: Women in Construction	2 SWS	Block / 	Stolz
ST 2025	1741389	Excursion: Seminar week: Natrual Stone	2 SWS	Block / 	Brehm
ST 2025	1800025	Seminar Week: Graffiti in Karlsruhe	2 SWS	Block / 	Papenbrock
ST 2025	1800028	Seminar Week: Nature Exploration	2 SWS	Block / 	Lopez

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

### Prerequisites

none

Below you will find excerpts from events related to this course:

V

### Seminar Week: Small Scale Models – Digital Study Workshop

1700033, SS 2025, 1 SWS, Language: German, [Open in study portal](#)

**Block (B)**  
**On-Site**

### Content

The Small Scale Models seminar teaches basic modelling techniques and encourages the creative use of materials. The aim is to create detailed models in a maximum size of 150 × 150 × 150 mm, combining at least three different materials. Participants optimise their work processes, learn to better assess the level of detail and develop cutting files for precise results. They are also encouraged to introduce more colour into the design. Practical exercises and discussions in the seminar will help to develop effective strategies for modelling.

Date: 10.-13.06.2025

1st meeting: 10.06.2025 10:00 am

Costs: -

Number of participants: 8

V

### Seminar Week: Analogue and Black/White

1700034, SS 2025, 1 SWS, Language: German, [Open in study portal](#)

**Block (B)**  
**On-Site**

### Content

After a short introduction to the conditions and contexts of photography as well as the handling of the handling of the cameras, we will go on a search for motifs and then develop the films according to type in our laboratory. Finally, we use the enlargers to produce black and white prints.

Appointment: 10.-13.06.2024

1st Meeting: 10.06.2024, 10:00 Uhr, Geb. 20.40, R-102

Costs: 15,00 Euro

Number of Participants: 6

V

### Seminar Week: Archival Bastards

1710109, SS 2025, 2 SWS, Language: German/English, [Open in study portal](#)

**Seminar (S)**  
**On-Site**

**Content**

The seminar offers the opportunity to dive into the wealth of architectural knowledge stored at SAAI, making it accessible and meaningful as a trigger for your own design practice. Instead of following the usual silos of classification (by author, date or type), the seminar seeks to team archival material that was not destined to meet.

Focussing on single-family house typologies, you will work with a series of pre-selected sectional drawings of projects from a wide variety of architects and historical periods. Using different strategies of visual association such as exquisite corps, palimpsest and cut-up, you will bring together two of these seemingly unrelated drawings thereby creating your own architectural "single family bastard".

Through this process of bastardization, the seminar explores a design methodology based on the fortuitous meeting of architectural antagonists. The result will be a series of three operative sectional line drawings, each of which is based on a specific approach to visual association.

Will your bastards be architectural compromises? Can they be read as a synthesis? Or will they embody a non-resolvable conflict between both sources?

**DATES:**

Di, 10.06.2025 \_ 10:00 - 18:00

Mi, 11.06.2025 \_ 10:00 - 18:00

Do, 12.06.2025 \_ 10:00 - 18:00

Fr, 13.06.2025 \_ 10:00 - 12:00

**Seminar Week: La Conquête du Soleil (Bru)**

1710206, SS 2025, 1 SWS, Language: German/English, [Open in study portal](#)

**Block (B)**  
**On-Site**

**Content**

Summer is the season of revelation, making it possible to experience how light and heat affect us, both emotionally and physically. Summer also highlights several reactions to this light and heat: stimulation, protection, regulation. Summer-architecture will therefore be that which allows a whole range of arrangements, both conquering and protective, to continue to make this beautiful season come alive.

During the seminar week, the students will develop structures based on standardized elements from scaffolding construction, which will be set up in different locations in the summer and offer shade. In terms of efficiency and sufficiency in relation to sustainable construction methods, these objects can be quickly assembled and dismantled and reused elsewhere for a different function. Moving elements powered by sunlight are to be added to this fixed system. The movement creates cooling on the one hand and an attractor on the other, which serves as a point of interest and invites people to gather together.

The installations are conceived as hybrid types that allow several functions and levels of interpretation - they transform outdoor spaces, are places to linger and interact and are simultaneously sculptures that make the possible synergy of nature, technology and architecture visible, react to the overheating caused by climate change and point to it in a playful way.

Event format: On-Site

Maximum participants: 16

Schedule: 10.06 - 13.06.2025 All day

First Meeting: Tue, 10.06.2025 at 10 a.m., bldg. 20.40, room 113 seminar room GBL

Form: Teamwork

Submission/Presentation: 13.06.2025

Lecturers: Prof. Stéphanie Bru/Eleni Zaparta

**Seminar Week: Athens**

1710304, SS 2025, 2 SWS, Language: German/English, [Open in study portal](#)

**Block (B)**  
**On-Site**

**Content**

Our seminar trip will take us to Athens, where, in addition to visiting historical and contemporary buildings, the students will come into contact with many noteworthy contemporary architecture firms.

The video material from the visits and interviews will result in a collective final report in short films.

**Language:** English/German

**Event Format:** On-site

**First Meeting and Presentation of the Program:** 04.06.2025, 11h

**Schedule:** 10.06.2025–13.06.2025

**Participation criteria:** Open to all KIT affiliates

**Form:** Collective work

**Deliverables:** Short films (interviews+building recordings)

**Seminarweek: "furniture under the open sky"**1710360, SS 2025, 2 SWS, Language: German, [Open in study portal](#)**Block (B)  
On-Site****Content**

In this seminar, we will focus on street furniture and its role in the design of urban spaces. Street furniture includes elements such as benches, litter garbage cans, lighting and play equipment that are both functional and aesthetic.

We examine the functionality and design of street furniture and how it contributes to quality of life and promotes social interaction. Participants will conduct drawing research to develop a vocabulary of the different elements and connect them to urban places.

In the seminar, we explore city districts and analyze existing furniture. In daily feedback sessions, we exchange thoughts and sketches to promote innovative approaches to the design of urban spaces."

Meeting Point on 10.06.2025 09:00 Zeichensaal, Building 20.40 Room 204

10.06.-13.06.2025 09:00-18:00

**Organizational issues**

10.06.-13.06.25 09:00-18:00 Uhr

**Seminar week: Architecture on Display**1710412, SS 2025, 1 SWS, Language: German, [Open in study portal](#)**Excursion (EXK)  
On-Site****Content**

What counts as architecture in an archive? This year's Seminarwoche takes a close look at the large bequest of architectural children's books held at the saai and examines them as physical artifacts, as bearers of architectural meaning, and as exhibits to be displayed.

Students will gain insight into archival and preservation practices as well as participate in a guided design charrette intended to develop a display strategy for architecture books.

Focus of study: Architectural and Cultural Heritag

Seminarwoche will take place on 4 entire days 10.-13.6.

Thu 17.07. 18.00-20.00 Mandatory final event at the Architekturschaufenster: AT goes A SF

Number of Participants: 20

**Seminar week: Concrete Communication: Berlin**1710455, SS 2025, 1 SWS, Language: German/English, [Open in study portal](#)**Block (B)  
On-Site****Content**

Architecture and the city emerge out of communication and conflict. Nowhere can you see and experience this better than in Berlin. We will spend four days walking through the city of Berlin to visit important sites of past and present architectural debates, from the International Building Exhibitions of 1957 and 1984/87 to the Museum Island and the Kulturforum to the city centre with the Humboldt Forum and the planned Bauakademie as well as, in contrast, "alternative" planning sites such as the Old Flower Market or the Spreefeld and Holzmarkt. We will move around by walking on foot as much as possible in order to be able to examine the effects of planning decisions and negotiation processes on the experience and use of the city as concretely as possible.

You will have to organize your own travel to and from Berlin. We will make suggestions for accommodation. The walks should be documented photographically. A good cell phone camera is perfectly sufficient.

Cost (without travel, incl. Hostel, Tickets, subway etc.): approx. 300 euros

Block date: Tue 10.06.– Fri 13.06.2025, 9:00 am to 5:00 pm

1st meeting: Tue, 10.06.2025, 9:00 am, meeting point will be announced via ILIAS

Number of participants: 20

**Seminar Week: Munich Reloaded (Wappner)**1720509, SS 2025, 1 SWS, Language: German/English, [Open in study portal](#)**Block (B)  
On-Site**

**Content**

After fifteen years at KIT in Karlsruhe, this multi-day excursion to Munich and its surroundings marks the culmination of a close relationship between the professorship and both cities—their people, traditions, architectural heritage, and the qualities and distinct characteristics of the present.

**Munich Reloaded** aims to engage with the city's renewal and transformation, exploring various aspects and locations that reflect contemporary debates in architecture and urban planning. This provides an opportunity to experience and appreciate Munich's dynamic and forward-looking development firsthand.

The excursion offers diverse perspectives on the challenges and opportunities of continuous urban transformation through a detailed examination of urban spatial dimensions and architectural details, fostering an in-depth, on-site exchange of ideas.

Preliminary discussion with distribution of tasks by arrangement

11.06.2025 - 13.06.2025, excursion, full day

Location: München

Costs: approx. 250 €

Number of participants: 10 places Bachelor, 10 places Master

**Seminar Week: Ultra circular (Klinge)**

1720556, SS 2025, 1 SWS, Language: German/English, [Open in study portal](#)

**Block (B)  
On-Site**

**Content**

*During the four-day workshop at the faculty, everything revolves around sustainable working with reclaimed wood and earth building techniques. Participants will learn how to design and produce reversible timber joints from reclaimed wood, with the material being processed and cleaned of pollutants beforehand. This is supplemented by an intensive rammed earth workshop. The focus is on practical implementation and working in the wood workshop, supplemented by theoretical introductions and safety instructions.*

Period: 10.06.2025 - 13.06.2025 all day

Location: Karlsruhe

Number of participants: **20** Places Bachelor / Master

**Seminarweek: Copenhagen - hygge and circular**

1720608, SS 2025, 1 SWS, Language: German/English, [Open in study portal](#)

**Excursion (EXK)  
On-Site**

**Content**

We are travelling to Copenhagen by train to explore how Denmark has managed to become the most successful protagonist of sustainable construction in Europe, using the example of the northern European metropolis. We want to learn from it.

By visiting innovative pioneering projects – by Lendager, EFFEKT, C.F. Moeller and others - we are made aware of a climate-resilient city's potential, concepts of circular construction and intelligent approaches to CO2 balancing.

Academic guest lectures will provide us with state of the art insights and Exploring the concept of *Hygge* will complete the program of our academic journey.

Travel Budget: 500 – 750 Euro

First Meeting: 15.05.2025, 14:00 Uhr, Geb. 11.40 Raum 26

Excursion: 09.06. – 14.06.2025

**Organizational issues****Seminar Week: Building with straw - practical laboratory**

1720651, SS 2025, 1 SWS, Language: German, [Open in study portal](#)

**Block (B)  
On-Site**

**Content**

In this practical workshop, you will have the opportunity to experience straw bale construction up close. During the 4-day excursion, including overnight stays at Lake Constance, we will visit selected contemporary straw bale construction projects in southern Germany and Switzerland. Local architects will guide you through realized buildings and ongoing construction sites, providing practical insights into the material usage. At the Zimmerei Grünspecht (Freiburg), you will apply your newly acquired knowledge in practice. In our workshop, you will learn, under the guidance of earth builders and master carpenters, how to properly construct a straw wall, apply clay plaster, and cut straw bales.

Cooperation partners: Zimmerei Grünspecht

First Meeting: We. 23.04.2025, 13:00 - 14:00Uhr Room: TBA

Number of Participants: 25 Bachelor/Master

Focus of study: (Building Technology)

Event format: Excursion, Workshop

Cost per student: approx. €350–400 (incl. travel, accommodation, and material costs)

**Organizational issues**

Seminarwoche: 10-13 Juni 2025

**Seminarweek: BIM-Projects and Measurement**

1720706, SS 2025, 2 SWS, Language: German/English, [Open in study portal](#)

**Block (B)**  
**On-Site**

**Content**

Accurate quantity calculation plays a central role in construction projects as it forms the basis for cost estimation, material procurement, and scheduling. Traditionally, this process has been time- and labor-intensive, requiring manual measurements and calculations that are prone to errors. Building Information Modeling (BIM) streamlines this practice by offering a digital, integrated approach to the planning, construction, and management of construction projects. With the use of BIM, quantities can be automatically and precisely derived from digital models, and they can be kept up-to-date even with floor plan changes.

Learn how to create quantity measurement Lists in ArchiCAD. No prior knowledge of ArchiCAD is required.

**Prerequisites for participation:** Participants must have a laptop with the ARCHICAD Student version installed.

The seminar includes lectures and hands-on exercises.

**Workshop:**10.-13.06.2025, Start 09:00 a.m., all day long, in Presence," Grüne Grotte"

**Number of participants:** 20

**Organizational issues**

10.-13.06.2025 ab 09:00 Uhr, Ganztätig

**Seminar Week: Digital Skins**

1720761, SS 2025, 1 SWS, Language: German/English, [Open in study portal](#)

**Block (B)**  
**On-Site**

**Content**

Digital Skins offers an in-depth exploration of digital tools and computational strategies for the geometrical processing and patterning of surfaces. The seminar, a joint collaboration between Design of Structures (dos) and Digital Design and Fabrication (DDF), will delve into the use of computational tools through scripts and definitions that will be developed during the course to manipulate mesh and NURBS objects by creating bespoke structural and ornamental patterns. The outcome of the explorations will be implemented into high-end animations as well as 3d-printed test-objects. Knowledge of Rhino and Grasshopper is welcome but not compulsory.

First Meeting: TBA

Bldg. 20.40, R tba

Submission/Exam: Fri, 13.06.2025

Number of Participants: 20

**Seminar week: RoboticWoodConstruction**

1720810, SS 2025, 1 SWS, Language: German/English, [Open in study portal](#)

**Block (B)**  
**On-Site**

**Content**

As part of *DasFest2025*, a large-scale 1:1 visitor pavilion will be built to showcase digital circular construction while serving as a venue for discussions on climate-related topics. The pavilion will then be reused for events in Karlsruhe such as *Schlosslichtspiele*.

**RoboticWoodConstruction** explores the intersection of digital design and robotic fabrication, focusing on reusing residual and waste wood. By leveraging computational models and digital building technology, discarded wood is transformed into a resource-efficient, circular building material for structural components.

During this dedicated *construction week*, students will engage in hands-on assembly and construction of the pavilion, gaining insights into woodworking, digital tools, and automated robotic woodnailing and doweling.

10.06. - 13.06.2025

Number of Participants: 20

Place: DDF\_Lab, Hardeckstraße 2a

No prior knowledge is required.

**Seminar Week: Use your senses - subjective and objective evaluation of rooms**

1720983, SS 2025, SWS, Language: German, [Open in study portal](#)

**Block (B)**  
**On-Site**

**Content**

How do we perceive rooms and how can we design comfortable rooms? The seminar starts by looking at the key factors of indoor climate – thermal, olfactory, visual, auditory – influencing comfort. In addition, questions of perception, assessment and the associated evaluation criteria will be discussed. With the help of measuring devices and a questionnaire, the students then carry out their own investigations of rooms in Karlsruhe. The results will be discussed on the basis of the evaluated data - in particular whether and how the rooms meet the needs and expectations of users in terms of comfort. The aim is to gain insights for the design of comfortable rooms.

Seminar Week: 10.06.2025 until 13.06.2025 R.240

First Appointment: 10.06.2025 10:00 AM

Exam: 13.06.2025

Places: 9 bachelor, 7 master

**Seminarweek: Sun x Heritage Protection**

1731094, SS 2025, 1 SWS, Language: German, [Open in study portal](#)

**Block (B)**  
**On-Site**

**Content**

How much solar energy can the historic city centre absorb without the listed buildings catching their breath? During our seminar week in Landsberg am Lech, we will scrutinise the balancing act between the energy transition and aesthetics. With on-site excursions, digital tools and real experts, we will apply a tried-and-tested process to find innovative solar solutions for historic roofs. The goal is a city that fills up with sunshine without losing its face. Together with the Landsberg am Lech town planning office and the Bavarian State Office for Monument Preservation. We test, model, photograph, discuss and visit.

Seminar Week: 10.-13.06.2025

First meeting: 10.06.2025, Landsberg

Excursion: 10.-12.06.2025 to Landsberg am Lech

Exam performance: documentation

Cost: None (costs for travel and accommodation to / in Landsberg will be covered), arrival by train, on site by minibus

Number of Participants: 18

**Seminar Week: The Edible Unseen (Engel)**

1731199, SS 2025, 1 SWS, Language: German/English, [Open in study portal](#)

**Block (B)**  
**On-Site**

**Content**

What does it mean to live in an *Edible City*? How can we make hidden squares visible? We aim to explore these two questions in depth during this seminar week. In collaboration with *Junge Architektur Karlsruhe* and *Urbane Gärten*, we will develop design concepts for selected spaces in Karlsruhe that often evade our attention and physical presence. These hidden spaces will be examined and analyzed under the *Edible City* overarching idea and then transformed into experimental fields. The goal is to draw attention to some of the less noticeable areas of Karlsruhe and to engage in dialogue with residents about their potential future. The outcomes of our seminar will be realized as part of the *Architektur Zeit 2026*.

Blockdate: Tue 10.- Fri 13.06.2025, 11.40 R013

First Meeting: Tue 10.06.2025, 9:30 am, 11.40 R013

Submission/Exam: Fri 13.06.2025

Number of Participants: 20

**Seminar Week: The gardens of Suzhou**

1731219, SS 2025, 1 SWS, Language: German/English, [Open in study portal](#)

**Block (B)  
On-Site**

**Content**

The inspiration for the gardens of Suzhou extends far beyond the city limits and finds its origins in the imposing landscape of the Huangshan Mountains. The characteristic rock formations, the misty mountain ranges and the centuries-old pine trees of Huangshan have been immortalized in Chinese artworks, calligraphy and literary writings for generations. These impressive images of nature served as an authoritative reference for garden masters and shaped the conception of their artificially created landscapes.

The gardens of Suzhou, some of which have existed for over 1100 years, are among the oldest surviving examples of traditional Chinese garden art. They are important testimonies to a culture characterized by a profound philosophical connection between man and nature. Their design principles are based on the balance between nature and artifact - a synthesis of primordial growth and abstraction that is essential to the Chinese understanding of aesthetics and harmony.

During the seminar trip to Suzhou, China, we will approach garden culture through its archetypal landscape ideals. We will visit the oldest preserved gardens in the world in order to explore their cultural, ideological and philosophical significance on site.

Participation entirely in English should be possible.

Block date: 07.06.2025 - 15.06.2025

Seminar basar: 14.4.2025

Registration deadline and travel information event: 16.4.2025 17.00 (Geb.11.40, R 126)

Costs: 1.150,00

Number of Participants: 15 (Bachelor: 10; Master:5)

**Seminarweek: Balearic Islands**

1731299, SS 2025, 1 SWS, Language: German/English, [Open in study portal](#)

**Block (B)  
On-Site**

**Content**

During the seminar week we will sail around the Balearic Islands with Majorca, Minorca and Ibiza. During the cruises we will prepare our visits on land. We will focus our attention on the relationship between architecture and territory, that is shaped by the beauty of the topography, the sea and a mediterranean vegetation, which equally characterize the architecture and mentality of this cultural area. Off the beaten tourist track, you will find exceptional historic and contemporary buildings. In the evenings we will dock in ports or anchor on the coast to cook, eat and sleep together on board the ships.

Travel dates: 7.6.-14.6.2025

Introduction meeting: will be announced

Costs: approx. 600 Euro (excl. individual arrival)

Number of Participants: 15

**Excursion: Seminar Week: Granada. A Digital Survey of the Masterpieces of the Baroque**

1741383, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

**Block (B)  
On-Site**

**Content**

The geometry of the Sanctuary of the Cartuja de Granada, designed by Francisco Hurtado Izquierdo, shows a masterful manipulation of space through a carefully orchestrated interplay of surfaces and volumes. This masterpiece of Spanish Baroque combines intricate geometric complexity with an expressive use of materials.

The excursion aims to explore some of Hurtado Izquierdo's works in Granada, documenting and deepening the innovative geometric sophistication of his pioneering designs using 3D scanning technology. Other works from the Baroque period will also be visited.

Travel and accommodation must be organized by the participants themselves. Costs approx. 800 €

Date: Preliminary meeting Tue 22.04.2025 17:30-18:30, Building and Architectural History Library, Building 20.40, R 015

Number of participants: 12

Study focus: Architectural and cultural heritage

**History of Architecture: Seminar week: Women in Construction**

1741386, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

**Block (B)**  
**On-Site**

**Content**

The seminar 'Women in Construction' is dedicated to female architects, civil engineers, urban planners and designers who have received too little attention in research to date. During the project week, we will take an in-depth look at the biographies and works of women from different areas of the construction industry from the end of the 19th century to the 21st century and analyse their work, taking into account the historical context. A visit to the saai is also planned for this week in order to be able to work with original sources. In addition to regular attendance and participation, students are expected to give a presentation and prepare a report.

1.Meeting: Tue 10.06.2025, 09:30 am, Bldg. 20.40, R 015

Number of Participants: 20

Focus of study: Architectural and Cultural Heritage

**Organizational issues**

Seminarwoche: 10.06.2025-13.06.2025

**Excursion: Seminar week: Natrual Stone**

1741389, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

**Block (B)**  
**On-Site**

**Content**

Natural stone has been a well used building material in southern Germany for centuries. Even the Romans worked with this material in large quantities. Even today, the qualities of natural stone are valued in architecture. The material is robust, reusable and has a good carbon footprint. The variety of natural colors and possible surface finishes allows for exciting design possibilities.

The field trip provides an overview of natural stone quarrying and use from antiquity through the Middle Ages to the present day. We are hiking to a Roman quarry, a medieval quarry and quarries that are still in operation. We will also visit buildings from antiquity, the Middle Ages and the present day.

1st meeting: Tue 10.06.2025, 9:00 am, parking lot behind the Faculty of Architecture, Englerstraße 7

Number of participants: 4 Bachelor, 4 Master (limited transportation places, it is possible to organize your own transport to the excursion sites).

Costs: 60 euros per person, plus meals

Please bring: sturdy shoes, robust clothing, fitness

Study focus: Architectural and cultural heritage

**Seminar Week: Graffiti in Karlsruhe**

1800025, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

**Block (B)**  
**On-Site**

**Content**

This course, which takes place during the seminar week, is about the documentation of graffiti in Karlsruhe. Participants are to photograph graffiti in Karlsruhe's urban space, upload it via an app (lingscape) and record and analyze it in a structured way in a database (INGRID). The condition for participation is the possession of a smartphone.

Seminar week: 10.6. to 13.6.2025

Exam: 13.6.2025

Places: 20

**Organizational issues**

10. - 13. Juni 2025

**V****Seminar Week: Nature Exploration**

1800028, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

**Block (B)  
On-Site****Content**

The practical course "Nature Exploration" during the seminar week focuses on the perception and artistic reflection of nature in urban spaces. Plants serve as indicators of local and climatic changes and tell "green narratives". These form the basis for art historical and artistic research. Differences between scientific and artistic work are highlighted: While science takes an analytical and data-based approach, artistic research is subjective and experimental.

The practical course combines theory and practice of artistic creation – from exploring the topic and developing one's own approach to the visual realization (e.g. photography, drawing, installation, text). It also examines how the perception and communication of artworks is influenced by being part of the creation process. The aim is to creatively and reflectively shape the connection between nature, art and urban space.

Seminar week: 10.6. to 13.6.2025

Exam: 13.6.2025

Places: 20

**Organizational issues**

Seminarwoche: 10. - 13. Juni 2025

T

**4.57 Course: Sound Insulation and Acoustics [T-ARCH-111340]**

**Responsible:** Prof. Andreas Wagner  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-105680 - Special Topics of Building Physics](#)

Type	Credits	Grading scale	Recurrence	Version
Oral examination	2	Grade to a third	Each winter term	1

Events					
WT 24/25	1720977	<a href="#">Sondergebiete der Bauphysik: Noise Protection and Acoustics</a>	2 SWS	Lecture / 	Wagner, Grunau

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

**Competence Certificate**

Oral exam of 25 minutes on the contents of the course.

**Prerequisites**

none

**Workload**

60 hours

Below you will find excerpts from events related to this course:

V

**Sondergebiete der Bauphysik: Noise Protection and Acoustics**

1720977, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

**Lecture (V)**  
**On-Site**

**Content**

The students get insight into noise protection of buildings and room acoustics. The lectures address physical fundamentals of sound characteristics and propagation, acoustical properties of materials and building parts, design and construction details as well as technical components for noise protection and room acoustics. For qualification targets see module handbook.

Appointment: Fr, 11:30 AM - 01:00 PM, 20.40. HS. 9

Fr, 14:00 PM - 15:30 PM, 20.40. HS. 9

First meeting: 25.10.2024 11:30 AM - 01:00 PM, HS 9

Submissio/Exam: 07.03.2025,,

Number of Participants: 10

Attention: This lecture with a volume of 2 credits is part of the module „Special Topics of Building Physics“. It can be combined with “Lighting Technologies” in the winter term or with “Fire Protection” or “Energy-efficient Buildings” in the summer term.

T

**4.58 Course: Spatial Theory [T-ARCH-107371]**

**Responsible:** Prof. Marc Frohn  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-103629 - Spatial Theory](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each summer term	1

Events					
ST 2025	1710104	<a href="#">Spatial Theory: Blue Banana</a>	2 SWS	Seminar / 	Frohn, Gernay, Mori
ST 2025	1710105	<a href="#">Spatial Theory: „&gt;.xls”</a>	2 SWS	Seminar / 	Frohn, Wasel

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

**Competence Certificate**

Other examination requirement which is undertaken in a format dependent upon the posted topic, e.g. in the form of an oral presentation, composition, plans or models.

**Prerequisites**

none

Below you will find excerpts from events related to this course:

V

**Spatial Theory: Blue Banana**

1710104, SS 2025, 2 SWS, Language: English, [Open in study portal](#)

**Seminar (S)**  
**On-Site**

**Content**

The Blue Banana, or ‘Greater Rhineland’, is the area where ‘the true heart of Europe beats’, stretching over Benelux, parts of France, Germany, and Switzerland. It is a place of the European Union’s core regional economy, of centuries-old trade routes, a densely populated and highly urbanized area and a place where important institutions are located. Cities in this region, or their conglomerates, often act as nodes, within the broader system of networks of people, goods, capital, data, and species.

In the seminar we will investigate the Blue Banana focusing on the spaces and infrastructure of value creation. We will look at its past and recent history and connect it to the future prospects for development. Through mapping, we will underline different aspects of value creation in the region. The research will be conducted at a multitude of scales, from the global scale, through regional scale, to the scale of local realities, which will be consolidated in a series of maps.

Date will be announced online

wednesday 11:30-13:00

V

**Spatial Theory: „>.xls”**

1710105, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

**Seminar (S)**  
**On-Site**

**Content**

Current real estate industry studies predict that up to 20% of all current office space in Germany will become obsolete in the medium term. This trend is already noticeable today. For the current year 2025, 7.87 million sqm of vacant office space is expected in the “Big7” cities.

As part of the seminar, we will use the city of Mannheim as an example to examine the specific architectural and urban development potential for the conversion of office space threatened by vacancy.

Our analyses reflect our basic understanding that the spreadsheets (.xls) usually created by the real estate industry to quantify the utilization potentials do not adequately express and make comprehensible the architectural and urban development potentials on which a successful conversion is based.

The seminar is part of the research project “Typological Resilience”.

- Appointment: Wed, 11h30-13h
- Submission: Thu, 17.07.25

T

**4.59 Course: Special Topics in Building Studies and Design [T-ARCH-108455]****Responsible:** Prof. Meinrad Morger**Organisation:** KIT Department of Architecture**Part of:** [M-ARCH-104075 - Special Topics in Building Studies and Design](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Irregular	1

Events					
WT 24/25	1710209	<a href="#">Building Studies and Design: Potentials of Prefabrication</a>	2 SWS	Seminar	Morger, Amon, Kunkel, Schneider, Zaparta

Below you will find excerpts from events related to this course:

V

**Building Studies and Design: Potentials of Prefabrication****Seminar (S)**1710209, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)**Content**

In order to construct buildings as economically, resource-efficiently and sustainably as possible, the potential of prefabrication is once again coming to the fore. In the 'Potentials of prefabrication' analysis seminar this winter semester, we will be looking at various building systems and construction techniques based on different building materials from the past and present of architecture. We will analyse international projects of all typologies and focus on the joining and the resulting architectural character. What temporal context and what technical possibilities led to these solutions? What are the advantages and disadvantages and what are the potentials for the future?

First Meeting: NEW Wed 13.11.2024, 10:00 am, Building 20.40, Room 113, Seminar Room Gebäudelehre

Submission/ Presentation: Wed, 22.01.2025

Number of Participants: 18

## T

**4.60 Course: Special Topics in Spatial Theory [T-ARCH-108453]**

**Responsible:** Prof. Marc Frohn  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-104074 - Special Topics in Spatial Theory](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Irregular	1

Events					
ST 2025	1710104	<a href="#">Spatial Theory: Blue Banana</a>	2 SWS	Seminar / 🗎	Frohn, Gernay, Mori
ST 2025	1710105	<a href="#">Spatial Theory: „&gt;.xls”</a>	2 SWS	Seminar / 🗎	Frohn, Wasel

Legend: 🗎 Online, 🗎 Blended (On-Site/Online), 🗎 On-Site, ✕ Cancelled

Below you will find excerpts from events related to this course:

## V

**Spatial Theory: Blue Banana**

1710104, SS 2025, 2 SWS, Language: English, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

The Blue Banana, or ‘Greater Rhineland’, is the area where ‘the true heart of Europe beats’, stretching over Benelux, parts of France, Germany, and Switzerland. It is a place of the European Union’s core regional economy, of centuries-old trade routes, a densely populated and highly urbanized area and a place where important institutions are located. Cities in this region, or their conglomerates, often act as nodes, within the broader system of networks of people, goods, capital, data, and species.

In the seminar we will investigate the Blue Banana focusing on the spaces and infrastructure of value creation. We will look at its past and recent history and connect it to the future prospects for development. Through mapping, we will underline different aspects of value creation in the region. The research will be conducted at a multitude of scales, from the global scale, through regional scale, to the scale of local realities, which will be consolidated in a series of maps.

Date will be announced online

wednesday 11:30-13:00

## V

**Spatial Theory: „>.xls”**

1710105, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

Current real estate industry studies predict that up to 20% of all current office space in Germany will become obsolete in the medium term. This trend is already noticeable today. For the current year 2025, 7.87 million sqm of vacant office space is expected in the “Big7” cities.

As part of the seminar, we will use the city of Mannheim as an example to examine the specific architectural and urban development potential for the conversion of office space threatened by vacancy.

Our analyses reflect our basic understanding that the spreadsheets (.xls) usually created by the real estate industry to quantify the utilization potentials do not adequately express and make comprehensible the architectural and urban development potentials on which a successful conversion is based.

The seminar is part of the research project “Typological Resilience”.

- Appointment: Wed, 11h30-13h

- Submission: Thu, 17.07.25

## T

**4.61 Course: Special Topics of Art History 1 [T-ARCH-107413]**

**Responsible:** Studiendekan/in Kunstgeschichte  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-103672 - Special Topics of Art History 1](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each term	1

Events					
WT 24/25	1741314	<a href="#">Art History: Titian and his Century - Color of Nature / Nature as Color</a>	2 SWS	Seminar / 	Fiorentini Elsen
WT 24/25	1741318	<a href="#">Art History: Machine Arts of Modernity</a>	2 SWS	Seminar / 	Rottmann
ST 2025	1741314	<a href="#">Art History: Nature in Early Modern Art and Architecture</a>	2 SWS	Seminar / 	Kohut
ST 2025	1741322	<a href="#">Art History: Early Bauhaus</a>	2 SWS	Seminar / 	Kelly
ST 2025	1741324	<a href="#">Art History: White Gold: The Art of Porcelain Wares</a>	2 SWS	Seminar / 	Kelly

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

Below you will find excerpts from events related to this course:

## V

**Art History: Titian and his Century - Color of Nature / Nature as Color**

1741314, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

Under the sign of color, the seminar not only addresses a great personality in art history, but also the competition between art genres in different geographical contexts, their social position, their relationship to art theory, as well as the historical and practical connection of visual concepts in the late Renaissance and Mannerism.

Appointment: Wed 8 - 9:30 am, Bldg. 20.40, R124 FG KG

Submission/Exam: written elaboration, 31.03.2025

Number of Participants: 3

**Organizational issues**

Die Teilnahme an der ersten und letzten Seminarsitzung ist verpflichtend!

## V

**Art History: Machine Arts of Modernity**

1741318, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

The usage of Artificial Intelligence (AI) or rather Machine Learning in visual arts is currently debated in many cases. The history of such an AI art goes back to the 1950s. This seminar is dedicated to a prehistory and thus wants to see modernity through the glasses of the machine. It needs to be questioned: In which manner machines found their way into visual arts? Which roles did they play? Which historical, e. g. socio-political contexts and motives existed? We want to develop answers using the example of art movements like Futurism or Bauhaus – to do so we need to acquire concepts of machines and to get an understanding of each relevant art movement, individual oeuvres as well as history of culture and technology. Dealing with machine arts this seminar aims at an enhanced understanding of modernity as well as contemporary AI art. An excursion is contemplated.

Appointment: Wed 9:45-11:15 am, Bldg. 20.40, R124 FG KG

Submission/Exam: written elaboration, 31.03.2025

Number of Participants: 5

**Art History: Nature in Early Modern Art and Architecture**1741314, SS 2025, 2 SWS, Language: English, [Open in study portal](#)**Seminar (S)  
On-Site****Content**

Why do historical depictions of nature continue to impress viewers in our industrialized world? How does the theological structure of a sixteenth-century Spanish engraving differ from modern perspectives on ecology? In what ways is the concept of the 'other' expressed in eighteenth-century French garden architecture? Was the realistic turn in eighteenth-century American art influenced by the Enlightenment's association of the divine with nature? What is the connection between the depiction of St. Sebastian's body in Ludovico Carracci's painting and the waste processing in seventeenth-century Rome? This course introduces students to the latest developments in English-language ecocritical art history, exploring the complex relationship between art, architecture, and the natural Environment in 1500–1800 CE.

Submission/Exam: written elaboration, 30.09.2025

Number of Participants: 3

**Art History: Early Bauhaus**1741322, SS 2025, 2 SWS, Language: German, [Open in study portal](#)**Seminar (S)  
On-Site****Content**

The early Bauhaus was expressionistic, nationalistic and spiritual. While today it is associated with cool material aesthetics and New Building, in Weimar, after its foundation in 1919, aesthetic empathy and sensation were considered a premise for all artistic activity. The inner state during the creative process and the respect for the nature of things overshadowed external functional demands.

The seminar focuses on influential personalities from the teaching staff, e.g. Johannes Itten, Paul Klee and Wassily Kandinsky. The Bauhütte idea, progressive educational innovations, such as creative body practices, as well as esoteric tendencies will be examined along with their (political) countermovement.

Submission/Exam: written elaboration, 30.09.2025

Number of Participants: 3

**Art History: White Gold: The Art of Porcelain Wares**1741324, SS 2025, 2 SWS, Language: German, [Open in study portal](#)**Seminar (S)  
On-Site****Content**

Naturalistic and with a flawless white glaze: the appearance of the figurines from the Allach porcelain manufactory may disguise their questionable manufacturing circumstances, as they originate from the production facility in Dachau concentration camp. The porcelain for Nazi dignitaries from the hands of concentration camp prisoners stands for the art and contemporary history from which it derived.

Starting with the invention of European porcelain in 1709, we will be introduced to various forms and manufactories from the heyday of these luxury goods. Side glances at English and French brands will add to the context of production and reception. New forms regarding new product design will take us to the 20th and 21st centuries. Field trips will complement the seminar.

Submission/Exam: written elaboration, 30.09.2025

Number of Participants: 3

## T

## 4.62 Course: Special Topics of Art History 2 [T-ARCH-107414]

**Responsible:** Studiendekan/in Kunstgeschichte  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-103673 - Special Topics of Art History 2](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each term	1

Events					
WT 24/25	1741314	<a href="#">Art History: Titian and his Century - Color of Nature / Nature as Color</a>	2 SWS	Seminar / 	Fiorentini Elsen
WT 24/25	1741318	<a href="#">Art History: Machine Arts of Modernity</a>	2 SWS	Seminar / 	Rottmann
ST 2025	1741314	<a href="#">Art History: Nature in Early Modern Art and Architecture</a>	2 SWS	Seminar / 	Kohut
ST 2025	1741322	<a href="#">Art History: Early Bauhaus</a>	2 SWS	Seminar / 	Kelly
ST 2025	1741324	<a href="#">Art History: White Gold: The Art of Porcelain Wares</a>	2 SWS	Seminar / 	Kelly

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

Below you will find excerpts from events related to this course:

## V

**Art History: Titian and his Century - Color of Nature / Nature as Color**

1741314, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

Under the sign of color, the seminar not only addresses a great personality in art history, but also the competition between art genres in different geographical contexts, their social position, their relationship to art theory, as well as the historical and practical connection of visual concepts in the late Renaissance and Mannerism.

Appointment: Wed 8 - 9:30 am, Bldg. 20.40, R124 FG KG

Submission/Exam: written elaboration, 31.03.2025

Number of Participants: 3

**Organizational issues**

Die Teilnahme an der ersten und letzten Seminarsitzung ist verpflichtend!

## V

**Art History: Machine Arts of Modernity**

1741318, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

The usage of Artificial Intelligence (AI) or rather Machine Learning in visual arts is currently debated in many cases. The history of such an AI art goes back to the 1950s. This seminar is dedicated to a prehistory and thus wants to see modernity through the glasses of the machine. It needs to be questioned: In which manner machines found their way into visual arts? Which roles did they play? Which historical, e. g. socio-political contexts and motives existed? We want to develop answers using the example of art movements like Futurism or Bauhaus – to do so we need to acquire concepts of machines and to get an understanding of each relevant art movement, individual oeuvres as well as history of culture and technology. Dealing with machine arts this seminar aims at an enhanced understanding of modernity as well as contemporary AI art. An excursion is contemplated.

Appointment: Wed 9:45-11:15 am, Bldg. 20.40, R124 FG KG

Submission/Exam: written elaboration, 31.03.2025

Number of Participants: 5

**Art History: Nature in Early Modern Art and Architecture**1741314, SS 2025, 2 SWS, Language: English, [Open in study portal](#)**Seminar (S)  
On-Site****Content**

Why do historical depictions of nature continue to impress viewers in our industrialized world? How does the theological structure of a sixteenth-century Spanish engraving differ from modern perspectives on ecology? In what ways is the concept of the 'other' expressed in eighteenth-century French garden architecture? Was the realistic turn in eighteenth-century American art influenced by the Enlightenment's association of the divine with nature? What is the connection between the depiction of St. Sebastian's body in Ludovico Carracci's painting and the waste processing in seventeenth-century Rome? This course introduces students to the latest developments in English-language ecocritical art history, exploring the complex relationship between art, architecture, and the natural Environment in 1500–1800 CE.

Submission/Exam: written elaboration, 30.09.2025

Number of Participants: 3

**Art History: Early Bauhaus**1741322, SS 2025, 2 SWS, Language: German, [Open in study portal](#)**Seminar (S)  
On-Site****Content**

The early Bauhaus was expressionistic, nationalistic and spiritual. While today it is associated with cool material aesthetics and New Building, in Weimar, after its foundation in 1919, aesthetic empathy and sensation were considered a premise for all artistic activity. The inner state during the creative process and the respect for the nature of things overshadowed external functional demands.

The seminar focuses on influential personalities from the teaching staff, e.g. Johannes Itten, Paul Klee and Wassily Kandinsky. The Bauhütte idea, progressive educational innovations, such as creative body practices, as well as esoteric tendencies will be examined along with their (political) countermovement.

Submission/Exam: written elaboration, 30.09.2025

Number of Participants: 3

**Art History: White Gold: The Art of Porcelain Wares**1741324, SS 2025, 2 SWS, Language: German, [Open in study portal](#)**Seminar (S)  
On-Site****Content**

Naturalistic and with a flawless white glaze: the appearance of the figurines from the Allach porcelain manufactory may disguise their questionable manufacturing circumstances, as they originate from the production facility in Dachau concentration camp. The porcelain for Nazi dignitaries from the hands of concentration camp prisoners stands for the art and contemporary history from which it derived.

Starting with the invention of European porcelain in 1709, we will be introduced to various forms and manufactories from the heyday of these luxury goods. Side glances at English and French brands will add to the context of production and reception. New forms regarding new product design will take us to the 20th and 21st centuries. Field trips will complement the seminar.

Submission/Exam: written elaboration, 30.09.2025

Number of Participants: 3

## T

**4.63 Course: Special Topics of Building Lifecycle Management 1 [T-ARCH-107397]**

**Responsible:** Prof. Dr.-Ing. Petra von Both  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-103654 - Special Topics of Building Lifecycle Management 1](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each term	1

Events					
ST 2025	1720709	<a href="#">Special Topics of BLM: BIM - Introduction to the Principles</a>	2 SWS	Seminar / 	von Both, Schöner, Sartorius

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

Below you will find excerpts from events related to this course:

## V

**Special Topics of BLM: BIM - Introduction to the Principles**

1720709, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

**Seminar (S)**  
**Blended (On-Site/Online)**

**Content**

Five good reasons why architects should not only develop their planning in 3D, but also in a BIM-compliant way, are:

- time savings in drawing,
- error prevention,
- transparency in planning,
- cross-programme and multidiscipline reading of the building plan,
- and simplifying communication with project participants.

This course offers a practical introduction with additional theoretical content on BIM methodology. It starts with a prepared 3D model (as of "Leistungsphase 2"). In the course of the semester, a BIM-compliant model development up to "Leistungsphase 6" is followed.

Weekly assignments ensure a continuous deepening of the content and enable a structured, practice-oriented learning approach.

**Requirements for participation are:** An internet connection for the entire duration of the seminar. An MS Teams Uni account. The current version of ARCHICAD.

Schedule: Weekly 1.5h online lecture.

**First appointment:** Mo 28.04.2025, 11:30-13:00 Uhr, Grüne Grotte

**Examination Date:** 11.08.2025 online, Prüfungen other type

T

## 4.64 Course: Special Topics of Building Lifecycle Management 2 [T-ARCH-107398]

**Responsible:** Prof. Dr.-Ing. Petra von Both  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-103655 - Special Topics of Building Lifecycle Management 2](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each term	1

Events					
ST 2025	1720709	<a href="#">Special Topics of BLM: BIM - Introduction to the Principles</a>	2 SWS	Seminar / 	von Both, Schöner, Sartorius

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

Below you will find excerpts from events related to this course:

V

### Special Topics of BLM: BIM - Introduction to the Principles

1720709, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

Seminar (S)  
Blended (On-Site/Online)

#### Content

Five good reasons why architects should not only develop their planning in 3D, but also in a BIM-compliant way, are:

- time savings in drawing,
- error prevention,
- transparency in planning,
- cross-programme and multidiscipline reading of the building plan,
- and simplifying communication with project participants.

This course offers a practical introduction with additional theoretical content on BIM methodology. It starts with a prepared 3D model (as of "Leistungsphase 2"). In the course of the semester, a BIM-compliant model development up to "Leistungsphase 6" is followed.

Weekly assignments ensure a continuous deepening of the content and enable a structured, practice-oriented learning approach.

**Requirements for participation are:** An internet connection for the entire duration of the seminar. An MS Teams Uni account. The current version of ARCHICAD.

Schedule: Weekly 1.5h online lecture.

**First appointment:** Mo 28.04.2025, 11:30-13:00 Uhr, Grüne Grotte

**Examination Date:** 11.08.2025 online, Prüfungen other type

## T

**4.65 Course: Special Topics of Building Technology [T-ARCH-107404]**

**Responsible:** Prof. Dr.-Ing. Rosemarie Wagner  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-103661 - Special Topics of Building Technology](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each term	1

Events					
WT 24/25	1720906	<a href="#">Building Techniques: Lightweight structures - Cable nets as source of energy and sink</a>	4 SWS	Seminar / 	Wagner, Sickinger, Ge
WT 24/25	1720907	<a href="#">Building Techniques: Building Workshop Structure - inegrated and functional</a>	4 SWS	Seminar / 	Wagner, Sickinger

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

Below you will find excerpts from events related to this course:

## V

**Building Techniques: Lightweight structures - Cable nets as source of energy and sink**

**Seminar (S)  
On-Site**

1720906, WS 24/25, 4 SWS, Language: German/English, [Open in study portal](#)

**Content**

To what extent can urban spaces be designed with light and transparent structures that fulfil functions such as energy sink [\[GX\(1\)\]](#) and energy source? What are the consequences of abandoning conventional structures? And how can cable net structures be combined with lightweight PV modules? How can the acceptance of these structures be understood, what methods are available for this and for which locations are they suitable?

We want to get involved in an experiment and recreate shading in public spaces.

And since new technologies also bring new rules, we learn in advance how cable nets create spaces, what they can do and what needs to be considered during design and construction. In addition, we want to put PV modules on the cable nets to generate energy and provide shade at the same time. To touch, understand and experiment.

In addition, we would like to find out how our structures are perceived and accepted by different people. For this purpose, the House of Competence (HOC) with Alexa Kunz and Sarah Herrmann will be integrated as a contribution to the design-related reflection report.

Based on the results of the seminar, the HOC offers participants an in-depth elaboration on research impulses in the design process as an additional service.

Regular dates: Friday 2.00 pm – 5.15 pm

1st meeting: 25.10.2024, Hertzstrasse 16, 76187 Karlsruhe, Bldg.06.34

Place: 06.34 R 112 Westhochschule, Hertzstr. 16

Excursions to be present to a manufacturer of cable nets

Submission / examination: 07.03.2025

Number of participants: 24

Focus of study: Building Technology

## V

**Building Techniques: Building Workshop Structure - inegrated and functional**

**Seminar (S)  
On-Site**

1720907, WS 24/25, 4 SWS, [Open in study portal](#)

**Content**

Participants are encouraged to work with structures using wood and natural building materials such as clay, lime, hemp, wood fibers, and similar materials. When used in their behaviour, these building materials possess positive climatic properties for indoor spaces. The knowledge of manufacturing, processing, and using these traditional materials has been lost over time but is now being rediscovered and reinvented due to the growing interest in sustainable building materials.

Can the building material be used to create spaces that meet the user-relevant requirements for summer heat protection and winter thermal isolation? At the same time requirements for light, moisture, sound and odour have to be fulfilled with these materials.

The course emphasizes experimenting with wooden structures and their connection techniques and provides access to the above-mentioned materials through activities like mixing, processing into bricks, or filling between wooden constructions. Through practical implementation, the course goes beyond merely conveying technical data and application possibilities, offering sensory impressions through hands-on experience.

Knowledge of building with clay, lime, and hemp will be provided by Marlene Dorbach.

The output is a manageable design task in which wood and natural building materials are used wisely according to their properties.

It is recommended to take this seminar as a supplement to the design "Neue Markthalle Karlsruhe" professorship BLM. The task within the seminar can be freely selected to the design of market hall structure or market stand.

Regular sessions: Fridays 9:45 AM – 1:00 PM

First meeting: October 25, 2024, Hertzstrasse 16, 76187 Karlsruhe, Building 06.34

Excursions to be present: to wooden and clay structures

Submission/Presentation: March 7, 2025

Number of participants: 24

## T

**4.66 Course: Special Topics of Building Technology [T-ARCH-107395]**

**Responsible:** TT-Prof. Moritz Dörstelmann  
 Prof.Dipl.-Ing. Dirk Hebel  
 TT-Prof. Florian Kaiser  
 Prof. Andrea Klinge  
 Prof. Dr.-Ing. Riccardo La Magna  
 Prof. Dr.-Ing. Peter Schossig  
 Prof. Dr.-Ing. Petra von Both  
 Prof. Andreas Wagner  
 Prof. Ludwig Wappner

**Organisation:** KIT Department of Architecture

**Part of:** [M-ARCH-103652 - Special Topics of Building Technology](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each term	1

Events					
WT 24/25	1720981	<a href="#">Research Seminar: Solar Facade elements with PVT Technology for direct Heating and Cooling with the Sun</a>	2 SWS	Seminar /	Wagner
WT 24/25	1720990	<a href="#">Special Topics of Building Technology: How to Make the Change of the Way we Heat a Success?</a>	2 SWS	Seminar /	Schossig
ST 2025	1720610	<a href="#">Seminarweek: re:making architecture - look back and move forwards</a>	4 SWS	Excursion (E /	Müller, Busse, Gerteiser
ST 2025	1720654	<a href="#">Special Topics of Building Technology: Building with Straw - Basics</a>	2 SWS	Seminar /	Kaiser, Büchle, Juraschitz
ST 2025	1720850	<a href="#">Professional Detailed Planning</a>	2 SWS	Block /	Zöller
ST 2025	1720977	<a href="#">Research Fields: Heating, cooling, power generation - an innovative solar façade system for existing buildings</a>	2 SWS	Seminar /	Wagner, Kaul, Weber
ST 2025	1720990	<a href="#">Special Topics of Building Technology: How to Make the Change of the Way we Heat a Success?</a>	2 SWS	Seminar /	Schossig

Legend: Online, Blended (On-Site/Online), On-Site, Cancelled

Below you will find excerpts from events related to this course:

## V

**Research Seminar: Solar Facade elements with PVT Technology for direct Heating and Cooling with the Sun**

Seminar (S)  
On-Site

1720981, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

**Content**

As part of the seminar, we will be working on an innovative solution for the energy-efficient refurbishment of multi-family buildings, which is also the subject of an ongoing research project at our professorship. A façade module is being developed that enables the simultaneous renovation of the building envelope and heating system and uses the building envelope directly for heating and cooling with the help of solar and heat pump technology. The tasks to be worked on in the seminar include (1) developing a catalog of requirements with regard to suitable façade typologies for such modules and (2) developing initial design and construction solutions for façade integration, including structural and building physics details.

Appointment: Mo. 03:45 PM - 05:15 PM, 20.40, R 240

First meeting: 21.10.2024, 03:30 PM, R 240

Submission/Exam: 03.03.2025

Number of Participants: 10

V

### Special Topics of Building Technology: How to Make the Change of the Way we Heat a Success?

Seminar (S)  
On-Site

1720990, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

**Content**

The coming years will determine whether we can reduce the CO2 emissions caused by building heating quickly enough to achieve our climate goals. This seminar aims to teach the basics of actively shaping the heat transition and to be able to evaluate the various options under consideration. Solutions will be considered both at the level of individual buildings and at the district level. Practical solution examples will be developed and compared, and demo buildings/districts will be visited as part of an excursion.

Regular date: Fri 11.30-13.00 hrs,

1st date: Friday 05.04.2025, 11.30 a.m.

Number of participants: 12

V

### Seminarweek: re:making architecture - look back and move forwards

Excursion (EXK)  
On-Site

1720610, SS 2025, 4 SWS, Language: English, [Open in study portal](#)

**Content**

In a small village of eight abandoned and partially dilapidated stone houses in the forests of Piedmont, northern Italy, we participate in their reconstruction and thus familiarize ourselves with traditional stone architecture. We will work hands-on with locally available materials and old building techniques using stone masonry and the application of thermal plasters made of lime and hemp. We gain theoretical knowledge of local architectural history and building culture e.g. by visiting a local restoration site.

1st meeting: Tue, 6.5.25, 15:30h

Excursion: Tue, 10.6. - Fri, 13.6.25

Costs: approx. 350€ incl. meals

Arrival: Self-organization

Accommodation: Campsites available on site. Self-booking for other accommodation.

Type of event: Hands-on workshop

Protective equipment: obligatory&self-organized (safety shoes, gloves, safety goggles)

V

### Special Topics of Building Technology: Building with Straw - Basics

Seminar (S)  
On-Site

1720654, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

**Content**

This seminar marks the beginning of the *Building with Straw* series. As an introduction, we will analyze historical straw buildings to contemporary buildings. The focus will be on the structural properties and challenges of the building material. Numerous guest lectures by invited architects and producers offer insights into realized projects and their implementation.

The current planning hurdles due to building law barriers, especially from building class IV, will be discussed.

The goal of the seminar is to create a compendium with technical solutions, reference projects, and detailed analyses of construction details.

Participation in the excursion *Building with Straw – Practical Workshop* is recommended. The seminar is also a supplement to the DOMINO CIRCULAR design.

Cooperation partners: FASBA (Fachverband-Strohballenbau Deutschland e.V.), processing companies (Zimmerei Grünspecht, Lorenz GmbH, EcoCocon)

Regeltermin: We. 9:45 to 11:15 a.m.

First Meeting: 23.04.2025, 9:45 a.m.

Submission/Exam: to be announced

Number of Participants: 20

Focus of study: (Building Technology)

V

**Professional Detailed Planning**

1720850, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

**Block (B)  
On-Site****Content**

In this course, the most important principles, rules and standards of professional detailed planning are explained in detail and discussed using practical examples:

Application of technical rules, moisture protection of components in contact with the ground by waterproofing or concrete, flat and pitched roofs, inverted roof insulation, special features of wooden roofs, barrier-free doorsteps, moisture protection of basements and roofs in existing buildings.

The event is offered in 5 day blocks.

1st meeting: 05.08.2024, 09:30 am Bldg. 20.40, HS will be announced

Dates: Fri 08.08., Mon 11.08., Wed 11.08., Fri 15.05., Mon 18.08. Times: 09:30 am - 05:00 pm

Place to be announced.

Examination/delivery: 21.08.2025

Number of participants: 50

Focus of Study: Building Technology

V

**Research Fields: Heating, cooling, power generation - an innovative solar façade system for existing buildings**

1720977, SS 2025, 2 SWS, Language: German/English, [Open in study portal](#)

**Seminar (S)  
On-Site****Content**

In a research project, a solar façade system is being developed for existing multi-family buildings which enables the buildings to be insulated and at the same time uses the building envelope directly for heating and cooling with the help of solar and heat pump technology. In the seminar, technical material issues will be investigated and, at the same time, a constructive-design task will be worked on together with the Professorship of Construction and Design. Specifically, this involves (1) the examination of insulation materials with regard to environmental compatibility, (2) a life cycle analysis for the façade modules and (3) a design solution for the refurbishment of a standard building with the solar façade system, including structural details.

Mo. 28.04.2025 15:45 PM - 17:15PM R. 240

Examination: 11.08.2025

Number of Participants: 10

V

**Special Topics of Building Technology: How to Make the Change of the Way we Heat a Success?**

1720990, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

The coming years will determine whether we can reduce the CO2 emissions caused by building heating quickly enough to achieve our climate goals. This seminar aims to teach the basics of actively shaping the heat transition and to be able to evaluate the various options under consideration. Solutions will be considered both at the level of individual buildings and at the district level. Practical solution examples will be developed and compared, and demo buildings/districts will be visited as part of an excursion.

Regular date: Fri 11.30-13.00 hrs,

1st date: Friday 25.04.2025, 11.30 a.m.

Number of participants: 12

T

**4.67 Course: Special Topics of Communication of Architecture [T-ARCH-107394]**

**Responsible:** Prof. Dr. Riklef Rambow  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-103651 - Special Topics of Communication of Architecture](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each term	1

Events					
ST 2025	1710452	<a href="#">Communication of Architecture: Intelligens. Natural. Artificial. Collective. The 19th International Architecture Exhibition in Venice (incl. Excursion)</a>	2 SWS	Seminar / 	Rambow

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

Below you will find excerpts from events related to this course:

V

**Communication of Architecture: Intelligens. Natural. Artificial. Collective. The 19th International Architecture Exhibition in Venice (incl. Excursion)****Seminar (S)  
On-Site**1710452, SS 2025, 2 SWS, Language: German, [Open in study portal](#)**Content**

The Architecture Biennale in Venice is arguably the world's most important event for architectural communication. It brings together almost one hundred individual exhibitions and thus provides not only a worldwide overview of current themes and positions in the field of architecture and urbanism, but also of the current state of curatorial practice. This takes place against the unique background of the city of Venice, which can itself be regarded as a permanent architectural exhibition. The seminar serves as a sound introduction to the structure and history of the city of Venice as well as to the concept and development of the Biennale. It concludes with an excursion during which we will intensively explore and discuss the city as well as the exhibition.

The excursion to Venice is an essential part of the course. The organisation of travel and accommodation will be supported. Total costs of approx. 500 euros are to be expected.

Excursion: Venice, planned from 22.09.–26.09.2025

Submission/Exam: 26.09.2025

Number of Participants: max. 25

Focus of Study: Architectural and Cultural Heritage

T

**4.68 Course: Special Topics of Construction Planning Law [T-ARCH-107436]**

**Responsible:** Dr. Holger Fahl  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-103688 - Special Topics of Construction Planning Law](#)

Type	Credits	Grading scale	Recurrence	Version
Written examination	4	Grade to a third	Each winter term	1

Events					
WT 24/25	1731191	<a href="#">Special Topics of construction planning law</a>	2 SWS	Lecture / 	Fahl

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

Below you will find excerpts from events related to this course:

V

**Special Topics of construction planning law**

1731191, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

**Lecture (V)  
On-Site**

**Content**

The practice-oriented repetition and consolidation looks at various key aspects of construction and architectural law based on current supreme court and higher court decisions. As far as time permits, participation in a hearing of a building chamber at the regional court is offered.

We strongly recommend that you purchase the latest edition of the Beck texts and bring them with you to the lecture:

- Bürgerliches Gesetzbuch: mit Allgemeinem Gleichbehandlungsgesetz, Produkthaftungsgesetz, Wohnungseigentumsgesetz, Beurkundungsgesetz und Erbbaurechtsgesetz (Beck-Texte im dtv), 93. Edition, 2024
- VOB / BGB / HOAI: Vergabe- und Vertragsordnung für Bauleistungen Teil A und B / Bauvertrag §§ 650 a-v / Verordnung über Honorare für Leistungen der Architekten und der Ingenieure (Beck-Texte im dtv), 39th edition, 2024

1.meeting: Mon 21.10.2024

Exam date: Mon 24.02.2025

T

**4.69 Course: Special Topics of Design Theory [T-ARCH-107384]**

**Responsible:** Prof. Simon Hartmann  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-103640 - Special Topics of Design Theory](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each term	1

Events					
WT 24/25	1710305	<a href="#">Design Theory: KIT 200: Egon Eiermann's Oil City in Karlsruhe</a>	2 SWS	Seminar / 	Hartmann, Coricelli
ST 2025	1710307	<a href="#">Design Theory: Access Denied</a>	4 SWS	Seminar / 	Hartmann, Kadid, Coricelli, Vansteenkiste, Zucchello

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

**Competence Certificate**

Other examination requirement which is undertaken in a format dependent upon the posted topic, e.g. in the form of an oral presentation, composition, plans or models.

**Prerequisites**

none

Below you will find excerpts from events related to this course:

V

**Design Theory: KIT 200: Egon Eiermann's Oil City in Karlsruhe**

1710305, WS 24/25, 2 SWS, Language: German/English, [Open in study portal](#)

**Seminar (S)**  
**Blended (On-Site/Online)**

**Content**

A photograph of 1961 depicts Egon Eiermann sitting behind a model of the entrance buildings of the DEA-Schoven Refinery fitting almost the whole main space of the professorship Bauplanung at KIT. Even if experienced with many built works, that bigness presented by the site was unprecedented for Eiermann. How to conceive an architectural intervention at the fringe of a system of functional objects shaped by technical requirements?

Starting from that very same space of Eiermann's chair/office, we propose to investigate and expand the knowledge of his work, climbing up all the scales from the physical model to the 1:1 realization of the entrance system of the largest oil refinery in Germany.

On the occasion of the 200th anniversary of the school, the results of the seminar will be exhibited in the fall of 2025 in a collective show on the networks and contributions of KIT professors and the city of Karlsruhe and its broader territory.

**Appointment:** Wednesday, 11 AM -2 PM each second week

**First meeting:** 30.10.2024, at 11.00 AM, Geb. 20.40 R221

**Submission/ Exam:** 29.01.2025 (TBC)

**Number of participants:** 16

**Form:** Individual and collective work

V

**Design Theory: Access Denied**

1710307, SS 2025, 4 SWS, Language: English, [Open in study portal](#)

**Seminar (S)**  
**On-Site**

**Content**

We will be dealing with buildings that are well-known architectural objects that are not accessible. Why are they not accessible? To whom are they, nevertheless, and under what conditions? We will search for the various reasons for the lack of accessibility and for all imaginable ways to access them anyway. Examples to study are Casa Malaparte by Curzio Malaparte, Maison à Bordeaux by OMA, and National Bank in Copenhagen by Arne Jacobsen.

**Event Format:** Blended (On-Site/Online)

**Appointment:** Each second week - Wednesdays

**First meeting:** 30.04.2025 at 10.00h, Geb. 20.40-R221

**Number of Participants:** Maximum 16

**Final Presentation:** TBD

**Output:** Individual work

T

## 4.70 Course: Special Topics of Digital Design and Fabrication [T-ARCH-111791]

**Responsible:** TT-Prof. Moritz Dörstelmann  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-105858 - Selected Topics of Digital Design and Fabrication](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each term	1

Events					
ST 2025	1720807	<a href="#">Digital Design and Fabrication: Robotic Earth Reinforcement: Exploring digitally enabled hybrid construction with natural fiber reinforced earth (Dörstelmann)</a>	4 SWS	Seminar / 🗣️	Dörstelmann, Fuentes Quijano

Legend: 📺 Online, 🔄 Blended (On-Site/Online), 🗣️ On-Site, ✕ Cancelled

### Competence Certificate

Other examination requirements based on a final presentation.

### Prerequisites

none

Below you will find excerpts from events related to this course:

V

### Digital Design and Fabrication: Robotic Earth Reinforcement: Exploring digitally enabled hybrid construction with natural fiber reinforced earth (Dörstelmann)

Seminar (S)  
On-Site

1720807, SS 2025, 4 SWS, Language: English, [Open in study portal](#)

### Content

Exploring the potential of digitally enabled hybrid construction, this seminar merges the textile repertoire of natural fiber reinforcement with a robotic shot-earth process to develop fully recyclable and structural performant material systems. Participants will explore textile concepts for spatial fiber reinforcement for earth structures through digital design and hands-on experimentation and prototyping of full scale robotic fabrication processes in DDF's Digital Construction Lab.

In close collaboration with the Institute for Advanced Architecture of Catalonia (IAAC) the seminar outcome will contribute to research in 3D-printed earth construction, and will be further explored in an autumn workshop in Barcelona, Spain.

First Meeting: By prior arrangement.

Place: DDF\_Lab, Hardeckstraße 2a & Online.

Form: Individual work and teamwork.

Rhinoceros & Grasshopper basic skills are recommended but not required.

## T

**4.71 Course: Special Topics of Fine Arts 1 [T-ARCH-107390]**

**Responsible:** Prof. Stephen Craig  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-103647 - Special Topics of Fine Arts 1](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each term	1

Events					
WT 24/25	1710367	<a href="#">Fine Arts: Colours of the Day</a>	4 SWS	Seminar /	Craig
WT 24/25	1710369	<a href="#">Fine Arts: DEMOCRACY and ART for all</a>	4 SWS	Seminar /	Craig, Kranz
WT 24/25	1710371	<a href="#">Fine Arts: round table: Building botanical experiments</a>	4 SWS	Seminar /	Craig, Schelble
ST 2025	1710365	<a href="#">Fine Arts: #Third spaces: Transformative forms of coming together</a>	4 SWS	Seminar /	Craig, Schelble
ST 2025	1710367	<a href="#">Fine Arts: Fresh air drawing Foot walk diaries</a>	4 SWS	Seminar /	Craig
ST 2025	1710370	<a href="#">Fine Arts: genius loci – spirit of th place</a>	4 SWS	Seminar /	Craig, Mühlen

Legend: Online, Blended (On-Site/Online), On-Site, Cancelled

Below you will find excerpts from events related to this course:

## V

**Fine Arts: Colours of the Day**

1710367, WS 24/25, 4 SWS, Language: German/English, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

We will be drawing and painting. Mostly painting (for example oil on canvas). Trying out various technical methods. Attempting to follow up on the participants individual ideas. Colour /light, observation / perception. Reflecting on the notion of what it means to paint. What painting is and can be.

Appointment: Mo. 9:45 AM - 01:00 PM, 20.40 R204 FG BK

First meeting: Monady, 21.10.2024, 9:45 Uhr, 20.40 R204 FG BK

Submission / Exam:

Number of participants: 12+3 Erasmus

## V

**Fine Arts: DEMOCRACY and ART for all**

1710369, WS 24/25, 4 SWS, Language: German, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

Under the title "doing democracy", the Montag Foundation is initiating a pilot project on the site of the former American Embassy Club on the banks of the Rhine in Bonn, which was built in 1951 and is now a listed building. Over the next few years, the OPEN EMBASSY FOR DEMOCRACY will be created here as a prototype for civil society engagement and as a living space for the revitalisation of democracy.

Participatory art, social design and playful architecture are to serve as inspiration for approaching the building, its history and the socio-political issues of the project using methods of artistic research. On this basis, both individual artistic works and projects for a summer school week in Bonn at the end of March 2025 will be developed together.

**Mon, 2-5:15 pm - 1 pm, 21.10.2024**

**Room 204 / Drawing Room**

**Compulsory excursion to Bonn: 27.-28.10.2024**

**Submission/Exam: 24.02.2025**

Number of Participants: 10 MA (kein Erasmus)

Language: german

V

**Fine Arts: round table: Building botanical experiments**

1710371, WS 24/25, 4 SWS, Language: German, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

The course "#round table: Building botanical experiments" deals with the approach of producing building elements with the help of living plants from an artistic perspective. The aim is to create a functional living architectural sculpture by exploring horticultural and constructive strategies. Both aesthetic and ecologically sustainable aspects are at the heart of the development of the architectural botanical designs. To this end, the creative possibilities and limits of sculptural-functional design will be explored in theory and tested in practice. The aim of the exercise is to stimulate creative, sustainable and interdisciplinary approaches. Individual dates may deviate from the regular dates by arrangement.

The course will be held in German, if required in German/English.

Supervision: Indra Schelble, academic assistant/ PhD student, Chair of Fine Arts (EKUT) in cooperation with Olaf Quantius, artist/ PhD student (University of Art Linz), Martin Reuter, Environmental Agency City of Rheinstetten, Katherina Fies, Environmental Agency Karlsruhe, Landschaftspflege Börsig

Venues: Drawing room, KIT wood workshop, Meriske West Rheinstetten along the Daimler-Benz-Str.

**Regular date:** Friday, 10 am - 1 pm, 20.40 R204 Drawing room

**1st meeting:** 25.10.2024, 10 a.m. possibly a building/planting week is planned

**Number of participants:** 5 Master + 2 Erasmus

**Submission / examination:** 07.02.2025

V

**Fine Arts: #Third spaces: Transformative forms of coming together**

1710365, SS 2025, 4 SWS, Language: German, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

How to create an alive performative space? Which objects and components are necessary for that process? In this seminar #Third Spaces: Transformative Forms of Coming Together, the aim is to practically test artistic markers for the 'third space' of social coming together. Based on examples from relational art, we will explore various functional elements that can support community and exchange. Taking ecological, artistic and socio-aesthetic criteria into account, we will experiment with situations and environments to invite people to come together.

Room: KIT Building 20.40, Room 204 Drawing Room/ Meriske West, Rheinstetten / Art Academy Karlsruhe

Regular date Fridays: 09:45-13:00

Start of seminar: Friday, 25. 04. 2025, 10:00-13:00, 20.40, R204

Submission / examination: 25.07.2025, 10:00-12:00, Meriske West

Maximum 8 students

**Fine Arts: Fresh air drawing Foot walk diaries**1710367, SS 2025, 4 SWS, Language: German/English, [Open in study portal](#)**Seminar (S)  
On-Site****Content**

With the observation of our every day world begins a process of reflection and visualization. Through a row of sketches and drawings combined with short written descriptions we begin an intensive exploration of the city of Karlsruhe. In the time period of one semester, the exercise involves filling up some DIN A4 sketch pads. Personal impressions of city life are to be documented. In a similar manner to that of a picture book diary. A narrative begins to occur.

Every participant will be given a small perspex glass plate, DIN A4, which he/she can keep with them for the duration of the course. This plate will serve as a very simple additional drawing support mechanism.

Appointment: Monday 9:45 AM - 1:00 PM

First meeting: 29.04.2025

Submission/ Exam:

Number of participants: 12 + 3 Erasmus

**Fine Arts: genius loci – spirit of th place**1710370, SS 2025, 4 SWS, Language: German/English, [Open in study portal](#)**Seminar (S)  
On-Site****Content**

In the seminar, we explore various artistic strategies and methods from the fields of field research, walkscapes, and psychogeography, etc. Concrete exercises and a spirit of experimentation help us unlearn patterns of perception and discover alternative approaches to our familiar environment. We practice this at different locations in the city's public space. The aim of the seminar is an artistic engagement with a specific place and its conditions. This process takes place through the use of one or more media (e.g., mapping, text, photography, sound work, etc.) and culminates in a final presentation.

This expanded form of engagement provides us, as designers, with a foundation to grasp the genius loci – the spirit of a place – and integrate it into future planning processes."

regulating term: Monday 14:00-17:15 Uhr, ab 28.04.2025, Building 20.40 Room 204 / Zeichensaal

Seminar location: changing meeting points in the public space of Karlsruhe (individual appointments in the seminar room)

Test: 11.08.2025

12 Master +2 Erasmus

## T

## 4.72 Course: Special Topics of Fine Arts 2 [T-ARCH-107391]

**Responsible:** Prof. Stephen Craig  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-103648 - Special Topics of Fine Arts 2](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each term	1

Events					
WT 24/25	1710367	<a href="#">Fine Arts: Colours of the Day</a>	4 SWS	Seminar / 	Craig
WT 24/25	1710369	<a href="#">Fine Arts: DEMOCRACY and ART for all</a>	4 SWS	Seminar / 	Craig, Kranz
WT 24/25	1710371	<a href="#">Fine Arts: round table: Building botanical experiments</a>	4 SWS	Seminar / 	Craig, Schelble
ST 2025	1710365	<a href="#">Fine Arts: #Third spaces: Transformative forms of coming together</a>	4 SWS	Seminar / 	Craig, Schelble
ST 2025	1710367	<a href="#">Fine Arts: Fresh air drawing Foot walk diaries</a>	4 SWS	Seminar / 	Craig
ST 2025	1710370	<a href="#">Fine Arts: genius loci – spirit of th place</a>	4 SWS	Seminar / 	Craig, Mühlen

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

Below you will find excerpts from events related to this course:

## V

**Fine Arts: Colours of the Day**

1710367, WS 24/25, 4 SWS, Language: German/English, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

We will be drawing and painting. Mostly painting (for example oil on canvas). Trying out various technical methods. Attempting to follow up on the participants individual ideas. Colour /light, observation / perception. Reflecting on the notion of what it means to paint. What painting is and can be.

Appointment: Mo. 9:45 AM - 01:00 PM, 20.40 R204 FG BK

First meeting: Monady, 21.10.2024, 9:45 Uhr, 20.40 R204 FG BK

Submission / Exam:

Number of participants: 12+3 Erasmus

## V

**Fine Arts: DEMOCRACY and ART for all**

1710369, WS 24/25, 4 SWS, Language: German, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

Under the title "doing democracy", the Montag Foundation is initiating a pilot project on the site of the former American Embassy Club on the banks of the Rhine in Bonn, which was built in 1951 and is now a listed building. Over the next few years, the OPEN EMBASSY FOR DEMOCRACY will be created here as a prototype for civil society engagement and as a living space for the revitalisation of democracy.

Participatory art, social design and playful architecture are to serve as inspiration for approaching the building, its history and the socio-political issues of the project using methods of artistic research. On this basis, both individual artistic works and projects for a summer school week in Bonn at the end of March 2025 will be developed together.

**Mon, 2-5:15 pm - 1 pm, 21.10.2024**

**Room 204 / Drawing Room**

**Compulsory excursion to Bonn: 27.-28.10.2024**

**Submission/Exam: 24.02.2025**

Number of Participants: 10 MA (kein Erasmus)

Language: german

V

**Fine Arts: round table: Building botanical experiments**

1710371, WS 24/25, 4 SWS, Language: German, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

The course "#round table: Building botanical experiments" deals with the approach of producing building elements with the help of living plants from an artistic perspective. The aim is to create a functional living architectural sculpture by exploring horticultural and constructive strategies. Both aesthetic and ecologically sustainable aspects are at the heart of the development of the architectural botanical designs. To this end, the creative possibilities and limits of sculptural-functional design will be explored in theory and tested in practice. The aim of the exercise is to stimulate creative, sustainable and interdisciplinary approaches. Individual dates may deviate from the regular dates by arrangement.

The course will be held in German, if required in German/English.

Supervision: Indra Schelble, academic assistant/ PhD student, Chair of Fine Arts (EKUT) in cooperation with Olaf Quantius, artist/ PhD student (University of Art Linz), Martin Reuter, Environmental Agency City of Rheinstetten, Katherina Fies, Environmental Agency Karlsruhe, Landschaftspflege Börsig

Venues: Drawing room, KIT wood workshop, Meriske West Rheinstetten along the Daimler-Benz-Str.

**Regular date:** Friday, 10 am - 1 pm, 20.40 R204 Drawing room

**1st meeting:** 25.10.2024, 10 a.m. possibly a building/planting week is planned

**Number of participants:** 5 Master + 2 Erasmus

**Submission / examination:** 07.02.2025

V

**Fine Arts: #Third spaces: Transformative forms of coming together**

1710365, SS 2025, 4 SWS, Language: German, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

How to create an alive performative space? Which objects and components are necessary for that process? In this seminar #Third Spaces: Transformative Forms of Coming Together, the aim is to practically test artistic markers for the 'third space' of social coming together. Based on examples from relational art, we will explore various functional elements that can support community and exchange. Taking ecological, artistic and socio-aesthetic criteria into account, we will experiment with situations and environments to invite people to come together.

Room: KIT Building 20.40, Room 204 Drawing Room/ Meriske West, Rheinstetten / Art Academy Karlsruhe

Regular date Fridays: 09:45-13:00

Start of seminar: Friday, 25. 04. 2025, 10:00-13:00, 20.40, R204

Submission / examination: 25.07.2025, 10:00-12:00, Meriske West

Maximum 8 students

**Fine Arts: Fresh air drawing Foot walk diaries**1710367, SS 2025, 4 SWS, Language: German/English, [Open in study portal](#)**Seminar (S)  
On-Site****Content**

With the observation of our every day world begins a process of reflection and visualization. Through a row of sketches and drawings combined with short written descriptions we begin an intensive exploration of the city of Karlsruhe. In the time period of one semester, the exercise involves filling up some DIN A4 sketch pads. Personal impressions of city life are to be documented. In a similar manner to that of a picture book diary. A narrative begins to occur.

Every participant will be given a small perspex glass plate, DIN A4, which he/she can keep with them for the duration of the course. This plate will serve as a very simple additional drawing support mechanism.

Appointment: Monday 9:45 AM - 1:00 PM

First meeting: 29.04.2025

Submission/ Exam:

Number of participants: 12 + 3 Erasmus

**Fine Arts: genius loci – spirit of th place**1710370, SS 2025, 4 SWS, Language: German/English, [Open in study portal](#)**Seminar (S)  
On-Site****Content**

In the seminar, we explore various artistic strategies and methods from the fields of field research, walksapes, and psychogeography, etc. Concrete exercises and a spirit of experimentation help us unlearn patterns of perception and discover alternative approaches to our familiar environment. We practice this at different locations in the city's public space. The aim of the seminar is an artistic engagement with a specific place and its conditions. This process takes place through the use of one or more media (e.g., mapping, text, photography, sound work, etc.) and culminates in a final presentation.

This expanded form of engagement provides us, as designers, with a foundation to grasp the genius loci – the spirit of a place – and integrate it into future planning processes."

regulating term: Monday 14:00-17:15 Uhr, ab 28.04.2025, Building 20.40 Room 204 / Zeichensaal

Seminar location: changing meeting points in the public space of Karlsruhe (individual appointments in the seminar room)

Test: 11.08.2025

12 Master +2 Erasmus

## T

## 4.73 Course: Special Topics of History of Architecture [T-ARCH-111796]

**Organisation:** KIT Department of Architecture**Part of:** M-ARCH-105863 - Special Topics of History of Architecture

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each term	1

Events					
WT 24/25	1741382	Research Seminar: History of Architecture/Urban Planning: Nature in Stone: Plant Species in Gothic Architecture	2 SWS	Seminar / 	Brehm
WT 24/25	1741383	History of Architecture/Urban Planning: KIT200: Exhibition Design	2 SWS	Seminar / 	Garrido
WT 24/25	1741384	History of Architecture/Urban Planning: Environmental Biographies. KIT200: Decoding Majolika Karlsruhe and its Environmental Networks	2 SWS	Seminar / 	Garrido
WT 24/25	1741386	History of Architecture/Urban Planning: Creepy Houses. Architecture and the City in the Movies (Part I)	2 SWS	Seminar / 	Medina Warmburg
WT 24/25	1741387	History of Architecture/Urban Planning: KIT200: Time as Material. About the Culture and Architecture of Cemeteries	2 SWS	Seminar / 	Medina Warmburg
WT 24/25	1741390	History of Architecture/Urban Planning: KIT 200: Municipal and Private Bath	2 SWS	Seminar / 	Rind
WT 24/25	1741392	Special Topics of History of Architecture/Urban Planning: Future needs Provenance – About Dealing with Monuments	2 SWS	Seminar / 	Kurz
WT 24/25	1741393	Special Topics of History of Architecture/Urban Planning: Preservation of Historical Monuments - Theory and Practice	2 SWS	Block / 	Hanschke
WT 24/25	1741394	History of Architecture/Urban Planning: Strasbourg/Strasbourg - Cultural Exchange between France and Germany. Aspects of Architectural and Urban Planning between 1830 and 1940	2 SWS	Seminar / 	Gawlik
ST 2025	1741384	Architecture in Film: History of Architecture/Urban Planning: Other Locations (Teil 2)	2 SWS	Seminar / 	Medina Warmburg
ST 2025	1741385	History of Garden Art: History of Architecture/Urban Planning: Hamburg's Urban Greenery - a Historical Overview of the last 200 Years	2 SWS	Excursion (E / 	Medina Warmburg, Gawlik

ST 2025	1741387	<b>History of Cultural Landscapes: History of Architecture/Urban Planning: Resources, Regulation, and Regional Planning: Perspectives on an Environmental History of Architecture in the Early Modern Era</b>	2 SWS	Seminar / 🗣️	Medina Warmburg, Silvestri
ST 2025	1741388	<b>Applied Monument Preservation: History of Architecture/Urban Planning: : Monument Preservation _ Challenge and Perspective</b>	2 SWS	Seminar / 🗣️	Medina Warmburg, Hücklekemkes
ST 2025	1741390	<b>Historical Building Research _ Free Student Research Project</b>	2 SWS	Project (P / 🗣️)	Medina Warmburg, Busse
ST 2025	1741391	<b>Selected Environmental History of Architecture: History of Architecture/Urban Planning: Case Study: Schlossgarten Karlsruhe</b>	2 SWS	Seminar / 🗣️	Medina Warmburg, Garrido
ST 2025	1741392	<b>History and Theory of Monument care: History of Architecture/ Urban Planning: Preservation of Historical Monuments - Theory and Practice</b>	2 SWS	Block / 🔄	Hanschke
ST 2025	1741394	<b>Applied Historical Building Research_Exercise_Summer School Bronnbach Monastery</b>	2 SWS	Block / 🗣️	Medina Warmburg, Busse

Legend: 🗣️ Online, 🔄 Blended (On-Site/Online), 🗣️ On-Site, ✕ Cancelled

### Competence Certificate

Other examination requirements consisting of an oral presentation of about 30 minutes as well as the written worked-out paper on this topic. There are certain courses where the examination requirement is project work consisting of a drawing of the given task.

### Prerequisites

none

Below you will find excerpts from events related to this course:

V

### Research Seminar: History of Architecture/Urban Planning: Nature in Stone: Plant Species in Gothic Architecture

1741382, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

Seminar (S)  
Blended (On-Site/Online)

### Content

Vines, leaves, flowers and fruit adorn Gothic architecture. From stylized forms to naturalistic depictions, nature was captured in stone. Where can these plants be found? Which species were depicted? Which plants were known and what meanings were attributed to them? In the seminar, the depictions of plants in the Gothic period will be traced on various Gothic buildings - the focus will be on Freiburg Minster. . The seminar begins with a compulsory excursion to Freiburg on 25 October 2024 (afternoon).

Submission/Exam: The knowledge acquired will be used to create a small exhibition, which will be organized as part of the seminar. The examination comprises exhibition texts and the development of an exhibition concept.

Number of Participants: 5

Focus of study: Architectural and Cultural Heritage

V

### History of Architecture/Urban Planning: KIT200: Exhibition Design

1741383, WS 24/25, 2 SWS, Language: German/English, [Open in study portal](#)

Seminar (S)  
On-Site

**Content**

Next year, the Karlsruhe Institute of Technology will celebrate its 200th anniversary. As the Faculty of Architecture was at the core of the university's foundation, the exhibition will focus on the contributions of KIT professors to the city.

This seminar will assist in designing the KIT's 200th anniversary exhibition, exploring exhibition design references as well as the organization and presentation of material from various departments and research seminars, emphasizing the connections between research, buildings, and architects associated with KIT and the city of Karlsruhe.

Additionally, the seminar will focus on designing the exhibition infrastructure, including spatial layouts, display systems, and support elements, to create a cohesive and engaging experience.

Submission/Exam: presentation and essay due 31.03.2025

Number of Participants: 5

Focus of study: Architectural and Cultural Heritage

V

### **History of Architecture/Urban Planning: Environmental Biographies. KIT200: Decoding Majolika Karlsruhe and its Environmental Networks**

1741384, WS 24/25, 2 SWS, Language: English, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

The Majolika factory in Karlsruhe is a key piece of infrastructure in the city. Located near the castle (and the geometric center of Karlsruhe) it has played a crucial role in linking the city with its surroundings by processing, manufacturing, and commercializing ceramic pieces for household, art and architecture.

Majolika's products permeated the inhabitants of Karlsruhe in many ways, from kitchen ware to decorations and even building components. The seminar will try to find, catalog and map the relationships between the factory, its products and its environment, exploring archival information, timelines, drawings, and other architectural tools to study Majolika's infrastructural, physical, natural, and artificial networks.

Submission/Exam: presentation and essay due 31.03.2024

Number of Participants: 7

Focus of study: Architectural and Cultural Heritage

V

### **History of Architecture/Urban Planning: Creepy Houses. Architecture and the City in the Movies (Part I)**

1741386, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

As a key medium of modernity, film has depicted and critically reflected on urban lifestyles and the architecture associated with them. Fiction has produced utopian and dystopian images and narratives of the city and architecture, which have eventually been used to design real spaces and structures. These interactions will be explored in a series of movies and seminars over the coming semesters. As a prelude, six films will explore the motif of the "uncanny" in residential architecture. The seminar will be credited for active participation in the preparation, moderation and follow-up of a film evening.

1. Meeting: 31.10.2024

Dates: 6 double sessions in November and December

Number of Participants: 12 active participants (6 Bachelor and 6 Master), open to interested members of the public.

Focus of Study: Architectural and Cultural Heritage

V

### **History of Architecture/Urban Planning: KIT200: Time as Material. About the Culture and Architecture of Cemeteries**

1741387, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

In monumental tombs and cemeteries, more than in almost any other building, the symbolic power of architecture is immediately apparent. Symbolically charged necropolises mark the beginnings of sedentary settlements and urban civilisation. Even in today's cities, they are heterotopias where the fictional and the real merge. In them, personal memories overlap with collective visions of what the future holds. At the same time, different cultures and religions deal with the decomposition of the dead bodies in different ways, challenging the urban metabolism of the living. To approach these questions, we will begin by analysing a specific case in Karlsruhe: Friedrich Eisenlohr's Crypt Hall and Chapel in the Old Cemetery.

1. Meeting: 29.10.2024

Number of Participants: 10 (5 Bachelor, 5 Master)

Focus of study: Architectural and Cultural Heritage



### **History of Architecture/Urban Planning: KIT 200: Municipal and Private Bath**

1741390, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

Today, we can't imagine a home without a bathroom. Bathing or showering with hot water straight from the tap is part of our everyday lives. However, this separate room with hot and cold running water and permanently installed ceramics is a relatively new facility. There were much longer bathing rooms and later public baths with bathtubs, spa departments and swimming areas.

We want to trace this development for Karlsruhe, starting with the Vierordtbad. We will examine both Karlsruhe swimming pools and bathhouses as well as private bathrooms in residential buildings. The analysis is based on archive material and site visits. The different views on hygiene and body ideals as well as the technical innovations are just as much a part of the investigation as the time-specific concepts of space and design.

Submission: poster or paper

Number of Participants: 6

Focus of study: Architectural and Cultural Heritage



### **Special Topics of History of Architecture/Urban Planning: Future needs Provenance – About Dealing with Monuments**

1741392, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

The seminar is about the skills and the desire to bring monuments and other valuable buildings appropriately into the future. To this end, we look at the planning and constructional handling of various monuments and deal with topics such as: cultural significance, inventory investigations, as well as the choice of methods and measures. On the basis of concrete projects, we drill into the depths of theory at the crucial points and sound out exemplary aspects of the discursive character of the discipline of "monument preservation". The focus is on monuments of the 20th century.

1. Meeting: 28.10.2024

Submission/Exam: Development of various contributions / presentations as well as guiding questions for the discussion in the seminar. A written summary is to be handed in together with the contribution / presentation due 31.03.2025

Number of Participants: 8

Focus of study: Architectural and Cultural Heritage



### **Special Topics of History of Architecture/Urban Planning: Preservation of Historical Monuments - Theory and Practice**

1741393, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

**Block (B)  
Blended (On-Site/Online)**

**Content**

The preservation and maintenance of historical monuments or monument ensembles is a task that is performed by specialized architectural firms, restorers and monument protection authorities. The seminar gives an insight into selected topics and questions. The focus is on the history and theory of monument preservation, the history of central European town houses, inventory, practical examples of monument preservation and old building renovation as well as legal considerations.

The seminar is to be offered as a compact course, the task of the seminar participants is to write a presentation or a term paper.

Dates will be set by arrangement.

First Meeting online: Thu 24.10.2024, 6 p.m.

Submission/Exam: presentation and paper due 31.03.2025

Number of Participants: 6

Focus of study: Architectural and Cultural Heritage

V

**History of Architecture/Urban Planning: Strasbourg/Strasbourg - Cultural Exchange between France and Germany. Aspects of Architectural and Urban Planning between 1830 and 1940** Seminar (S)  
Blended (On-Site/Online)

1741394, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

**Content**

As part of our block seminar with a one-day excursion to Strasbourg, for which there will be an introductory event (online) on Friday, 25.10.24 at 17:00, we want to deal with French and German projects on urban planning and architecture that were realized in the city with multiple changes of nationality between 1830 and 1940. Both the German and the French heritage form the special feature of Strasbourg as a crossroads of cultures.

Block seminar in Karlsruhe on 21./22.03.2025

Excursion to Strasbourg on 23.03.2025

Entrance fees for the Palais Rohan and the cathedral may apply.

Please make your own travel arrangements to Strasbourg.

Number of Participants: 3

Submission/Exam: presentation/essay 31.03.25

Focus of study: Architectural and Cultural Heritage

V

**Architecture in Film: History of Architecture/Urban Planning: Other Locations (Teil 2)** Seminar (S)  
On-Site

1741384, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

**Content**

*As a defining medium of modernity, film has portrayed and critically reflected on urban lifestyles and the associated architectures. Fiction has produced utopian and dystopian images and narratives of cities and architecture, which have ultimately had a major influence on the conception of real spaces and structures. The second edition of our film series focuses on the interactions of utopian, dystopian and heterotopian counterworlds. The selected movies address the ambivalence of utopian non-places and dystopian non-places and show their conflict-ridden interdependency. Each film screening will be followed by an open discussion round. The aim of the seminar is to open up new perspectives on architecture-related topics. The seminar will be credited for active participation in the preparation, moderation and follow-up of a film evening.*

Number of participants: 15 (6 Bachelor, 6 Master, 3 Art History), open to interested members of the public.

Film evenings: 5 double sessions in May and June

Focus of study: Architectural and Cultural Heritage

V

**History of Garden Art: History of Architecture/Urban Planning: Hamburg's Urban Greenery - a Historical Overview of the last 200 Years** Excursion (EXK)  
On-Site

1741385, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

**Content**

Our four-day block event (11-14.9.25) takes us to Hamburg. The palpable garden lust in the patrician gardens, designed for example by Joseph Ramée (1764-1842) in Blankenese, forms the starting point for the development of urban greenery. During the 19th century, the city's dismantled fortifications were remodelled into today's ramparts (Grosse Wallanlagen, Kleine Wallanlagen, Alter Botanischer Garten, Planten un Blumen). Garden exhibitions and IGAs (International Garden Exhibitions in 1953, 1963 and 1973) have been held here since the end of the 19th century. During the first quarter of the 20th century, the Hamburg Stadtpark and the Altonaer Volkspark were realised after extensive planning. Together with Heino Grunert (former garden monument conservator at the Ministry for Urban Development and the Environment), we will explore this history of the built environment. Admission to the parks is free; individual travel and overnight accommodation.

First Meeting: 25.04.25, 5pm (online)

Excursion: 11.-14.09.25

Submission/Exam: 30.09.2025

Number of Participants: 5 Bachelor/5 Master/2 Art History

Focus of study: Architectural and Cultural Heritage

V

**History of Cultural Landscapes: History of Architecture/Urban Planning: Resources, Regulation, and Regional Planning: Perspectives on an Environmental History of Architecture in the Early Modern Era**

**Seminar (S)  
On-Site**

1741387, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

**Content**

Already in the 15th century, Nuremberg's *Stadtbaumeister* Endres Tucher covered complex environmental factors of urban planning in his *Baumeisterbuch*. Based on the principles of environmental history, the seminar will address the cultural interaction with nature through architecture in the Early Modern period. Topics include waste disposal, disaster prevention, the impact of material extraction, large-scale landscape transformations due to urban foundations, mining industry and canal construction. The aim of the seminar is to explore new perspectives on Early Modern architecture between impact on cultural landscape and interaction with the environment. This will be achieved through a collective analysis of heterogeneous source materials.

Submission/Exam: 30.09.2025

Number of Participants: 5 Bachelor/5 Master/5 Art History

Focus of study: Architectural and Cultural Heritage

V

**Applied Monument Preservation: History of Architecture/Urban Planning: : Monument Preservation \_ Challenge and Perspective**

**Seminar (S)  
On-Site**

1741388, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

**Content**

The course provides basic knowledge about the fundamentals of modern heritage conservation: What is heritage conservation today and how has it developed? What should be protected and preserved? Why do we preserve monuments, who benefits from it, what is its aim and what categories of cultural monuments are there? What conservation methods are there and what challenges arise when dealing with cultural monuments? Questions such as these will be addressed during the seminar and discussed using practical examples. The findings will be deepened during an excursion.

Subsequent participation in the "Introduction to Monument Conservation" exercise is recommended but not required.

Mandatory excursion, costs approx 50 €

Submission/Exam: Oral exam

Number of participants: 7 Bachelor, 7 Master, 7 Art History

Focus of study: Architectural and Cultural Heritage

V

**Historical Building Research \_ Free Student Research Project**

**Project (PRO)  
On-Site**

1741390, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

**Content**

Die Kompetenz der Transformation im Spannungsfeld von erhalten und erneuern bewusst zu gestalten, verlangt methodisches Vorgehen innerhalb der unterschiedlichen Strategien, den Baubestand zu formen. Diese setzt eine grundlegende Erfassung, Analyse und Bewertung der vorhandenen Bausubstanz voraus. An einem frei gewählten Objekt wird anhand von Archivalien, Bestandsplänen, Aufmass und Veränderungsgeschichte analysiert und mit am Bestand orientierten Nutzungskonfigurationen weiterentwickelt.

1st meeting: Mon 05.05.2025, 2 pm

Appointments by arrangement

Examination/submission: Analysis, drawings and presentation of a topic, Multi-part term paper

Submission: 30.09.2025

Number of participants: 8 bachelor, 8 Master

Focus of study: Architectural and Cultural Heritage

V

### **Selected Environmental History of Architecture: History of Architecture/Urban Planning: Case Study: Schlossgarten Karlsruhe**

1741391, SS 2025, 2 SWS, Language: English, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

The Schlossgarten in Karlsruhe has been a critical piece of the city's infrastructure since its foundation, serving not only as an illustration of the state's power but also as an integral element of the built environment.

The seminar proposes to explore various components of the park and its history by employing architectural research and representation tools, as well as archival material and documentation. Through these methods, the aim is to uncover, analyze and communicate the intricate layers of overlapping infrastructure in the Schlossgarten, crafting an "urban biography" portraying the city's evolution.

Submission/Exam: presentation and paper due 30.09.2025

Number of participants: 6 BA, 6 MA, 6 Art History

Focus of study: Architectural and Cultural Heritage

V

### **History and Theory of Monument care: History of Architecture/Urban Planning: Preservation of Historical Monuments - Theory and Practice**

1741392, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

**Block (B)  
Blended (On-Site/Online)**

**Content**

The preservation and maintenance of historical monuments or monument ensembles is a task that is performed by specialized architectural firms, restorers and monument protection authorities. The seminar gives an insight into selected topics and questions. The focus is on the history and theory of monument preservation, the history of central European town houses, inventory, practical examples of monument preservation and old building

The seminar is offered as an compact course, dates by arrangement.

1. Meeting: Wed 23.04.2024 5:30 pm, online

Submission/Exam: presentation and paper due 30.09.2025

Number of Participants: 5

Focus of study: Architectural and Cultural Heritage

V

### **Applied Historical Building Research\_Exercise\_Summer School Bronnbach Monastery**

1741394, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

**Block (B)  
On-Site**

**Content**

The ability to consciously shape the transformation in the field of tension between preservation and renewal requires a methodical approach within the various strategies for shaping the existing building stock. This requires a fundamental recording, analysis and evaluation of the existing building fabric. In the summer school, the hall garden of the monastery in Bronnbach will be analyzed as part of a one-week summer school in archives, as-built plans, measurements and the history of changes and further developed with configurations of use appropriate to the listed building.

**Registration not via Campus Plus. Please come to the 1st meeting.**

1st meeting: Mon 28.04.2025, 2 pm, Bldg. 20.40 room: 015

Mandatory excursion 21.-25.07.2025

Open for Bachelor, Master and Art History

Focus of study: Architectural and Cultural Heritage

T

**4.74 Course: Special Topics of Planning and Constructing [T-ARCH-107396]****Responsible:** Prof. Ludwig Wappner**Organisation:** KIT Department of Architecture**Part of:** [M-ARCH-103653 - Special Topics of Planning and Constructing](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each winter term	1

Events					
WT 24/25	1720506	<a href="#">Planning and Constructing: Mobility in Rural Areas - Mobility Hubs - A New Culture of Transferring</a>	4 SWS	Seminar / 	Wappner, Schneemann, Huismans
ST 2025	1720506	<a href="#">Planning and Constructing: Modular Constructions USM Areal in Münsingen CH</a>	2 SWS	Seminar / 	Wappner, Kochhan, Hörmann

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

Below you will find excerpts from events related to this course:

V

**Planning and Constructing: Mobility in Rural Areas - Mobility Hubs - A New Culture of Transferring****Seminar (S)  
On-Site**1720506, WS 24/25, 4 SWS, Language: German/English, [Open in study portal](#)**Content**

The seminar "Mobility in rural areas" deals with the current challenges and opportunities in mobility. In view of demographic changes and the advent of digitalization in the world of work, rural areas are facing major challenges. New potentials of the transport transition in the form of typologies such as "mobility hubs" are highlighted. These can strengthen the identity of localities and ensure various transport options, services and local supply. In collaboration with the Institute of Geography and Geoecology, we will develop basic principles of mobility that will be transferred to local conditions and translated into a built typology. The designs will be elaborated in the impromptu seminar. The design results will be presented at the selected locations.

Regular date: Thursday morning

1st meeting: 22 or 23.10.2024

Intermediate critique: to be announced

Participants: 15 MA

Submission/presentation: 06.03.2025

Form of processing: Individual work / 2-part group work

Form of course: Presence

Language: German/English

Supervision: Prof. Ludwig Wappner, Falk Schneemann, Mathis Huismans

V

**Planning and Constructing: Modular Constructions USM Areal in Münsingen CH****Seminar (S)  
On-Site**1720506, SS 2025, 2 SWS, Language: German/English, [Open in study portal](#)

**Content**

*In connection with the topic of the Bachelor's thesis in the summer semester, which deals with a research center for the development of modular construction methods as well as their potential and design challenges, the seminar examines resource-saving, flexible, efficient and aesthetically pleasing solutions. Modular building typologies and best-case examples will be analyzed - from the 1950s to the present day - in order to identify and discuss findings and impulses for current challenges and requirements, particularly in residential, educational and commercial construction.*

*In addition to the central themes of innovation, flexibility, sustainability and resource conservation, particular importance will also be attached to the building culture and design aspect in order to enable the knowledge gained to be transferred to the present day.*

Regular date: Thursday morning Room 20.40 R240

1st meeting: 30.04.2025 at 11 am

Participants: 15 MA/BA6

Form of work: Individual work / 2-person group work

Form of course: Presence

Language: German/English

T

**4.75 Course: Special Topics of Structural Design [T-ARCH-107401]****Responsible:** Prof. Dr.-Ing. Riccardo La Magna**Organisation:** KIT Department of Architecture**Part of:** [M-ARCH-103658 - Special Topics of Structural Design](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each summer term	1

Events					
ST 2025	1720753	<a href="#">Special Topics of Structural Design: Form and Structure</a>	2 SWS	Seminar / 	La Magna, Andersson Lagueche

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

Below you will find excerpts from events related to this course:

V

**Special Topics of Structural Design: Form and Structure**1720753, SS 2025, 2 SWS, Language: German/English, [Open in study portal](#)**Seminar (S)  
On-Site****Content**

In the seminar "Form and Structure" special topics within structural design, such as form finding, optimization and complex geometries will be treated. The students will be introduced to the various topics through lectures, however the focus will lie on the digital tools used to handle these topics. Throughout the seminar, students will work individually or in groups of two, where they will be asked to develop a structure that demands both geometric and structural analysis, as well as considerations for its performative aspects. Previous knowledge in Rhino3D and Grasshopper is asked of the students.

First Meeting: 22.04.2025; 02:00 pm

Bldg. 20.40, R. 221

Regular meeting: Tuesday 02:00 pm – 03:30 pm

Hand-In: to be announced

Number of participants: 15

## T

## 4.76 Course: Special Topics of Sustainability [T-ARCH-107435]

**Responsible:** Prof.Dipl.-Ing. Dirk Hebel  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-103687 - Special Topics of Sustainability](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each summer term	1

Events					
ST 2025	1720606	<a href="#">Research Seminar: Seaweed, hemp, autumn leaves – Future-oriented insulation materials for the building industry. A research seminar of the KIT Material Library.</a>	4 SWS	Seminar /	Hebel, Böhm
ST 2025	1720607	<a href="#">Sustainability: EARTHopia - A week of loam construction in Addis Ababa</a>	4 SWS	Excursion (E /	Hebel, Mamo
ST 2025	1720610	<a href="#">Seminarweek: re:making architecture - look back and move forwards</a>	4 SWS	Excursion (E /	Müller, Busse, Gerteiser
ST 2025	1720611	<a href="#">Sustainability: Next Urban Explosion: Hopes of Coexistence - Africa</a>	4 SWS	Seminar /	Hebel, Mamo

Legend: Online, Blended (On-Site/Online), On-Site, Cancelled

Below you will find excerpts from events related to this course:

## V

**Research Seminar: Seaweed, hemp, autumn leaves – Future-oriented insulation materials for the building industry. A research seminar of the KIT Material Library.** Seminar (S) On-Site  
 1720606, SS 2025, 4 SWS, Language: German, [Open in study portal](#)

## Content

The materials library houses conventional building materials as well as recyclable building materials made from secondary and renewable raw materials. The seminar focuses on biological insulation materials, which serve both - thermal insulation and summer heat protection. Against the backdrop of climate change and the resulting high relevance of an optimized building envelope, the opportunities and limitations of these insulation materials are examined.

Students will conduct independent and critical research on selected insulation materials, aiming to present sustainable alternatives based on detailed data sheets and physical material samples. The seminar will be accompanied by supervision, workshops, lectures, and excursions.

First Meeting: April 22, 2025

Regular Meeting: Tuesdays, 11.30 - 13.00

Submission/Exam: July 22, 2025

Focus of study: Building Technology

Smaller excursions will take place in the Karlsruhe area.

## V

**Sustainability: EARTHopia - A week of loam construction in Addis Ababa** Excursion (EXK) On-Site  
 1720607, SS 2025, 4 SWS, Language: German/English, [Open in study portal](#)

**Content**

We travel to Addis Ababa, the capital of Ethiopia. While modern architecture dominates the cities, the rural areas are traditionally characterized by "tukuls" - round, simple loam houses. A contemporary reinterpretation of this construction method is being developed as part of the Building Week: The "Tukul 2.0" combines the traditional architecture of Ethiopia with rammed earth technologies known in Europe. In collaboration with students from the School of Built Environment (formerly EiABC) at Addis Ababa University, prototypes will be created that enable a more robust, durable and yet simple construction method. The focus is on the intercultural exchange of knowledge between Ethiopian and German students.

First orientation meeting: 7 May 2025, 3:00 PM, Bldg. 11.40 Room 26

Excursion one week in the period 28.09.25 to 12.10.2025

**Seminarweek: re:making architecture - look back and move forwards**

1720610, SS 2025, 4 SWS, Language: English, [Open in study portal](#)

**Excursion (EXK)  
On-Site**

**Content**

In a small village of eight abandoned and partially dilapidated stone houses in the forests of Piemont, northern Italy, we participate in their reconstruction and thus familiarize ourselves with traditional stone architecture. We will work hands-on with locally available materials and old building techniques using stone masonry and the application of thermal plasters made of lime and hemp. We gain theoretical knowledge of local architectural history and building culture e.g. by visiting a local restoration site.

1st meeting: Tue, 6.5.25, 15:30h

Excursion: Tue, 10.6. - Fri, 13.6.25

Costs: approx. 350€ incl. meals

Arrival: Self-organization

Accommodation: Campsites available on site. Self-booking for other accommodation.

Type of event: Hands-on workshop

Protective equipment: obligatory&self-organized (safety shoes, gloves, safety goggles)

**Sustainability: Next Urban Explosion: Hopes of Coexistence - Africa**

1720611, SS 2025, 4 SWS, Language: English, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

Cities are spaces of complex co-existence. Be it among ourselves or with the multiplicities of elements of nature, the question of co-existence is increasingly challenged by our collective actions. In our experiment to find a hopeful and sustainable way of coexistence, the continent of Africa offers a vast space of enquiry. In just 25 years, close to a billion additional people are expected to claim the hope that urban living offers in Africa. Such a mass of need creates a vast opportunity to reimagine new forms of urbanism.

Recognizing the vastness and multidimensionality of Africa, the seminar will be a space of optimistic speculations on urban futures - a thought experiment based on discussions and projective exercises. By interrogating the practices of Architecture and Urban Design - through selected projects in Africa, the seminar also aims to sketch a Framework-of-Engagement that can help to ensure the relevance of architecture in the production of Hopeful-Urban-Futures.

First Meeting: 22.04.2025, Bld. 11.40 Room 26

Regular Meeting: Tuesdays, 14.00 PM - 15.30 PM

Submission/Exam: 22.07.2025

Focus of study: Urban Design

## T

## 4.77 Course: Special Topics of Theory of Architecture 1 [T-ARCH-107392]

**Responsible:** Prof. Dr. Anna-Maria Meister  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-103649 - Special Topics of Theory of Architecture 1](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each term	1

Events					
WT 24/25	1710407	<a href="#">Architectural Theory: Rhein: Industrie/Kultur/Landschaft</a>	2 SWS	Seminar /	Fankhänel, Wilkinson
WT 24/25	1710409	<a href="#">Theory of Architecture: Living Archive!</a>	4 SWS	Seminar /	Gurgenidze
WT 24/25	1710410	<a href="#">Architectural Theory: Exhibit A(rchitecture). Exhibitions that have shaped architecture</a>	4 SWS	Seminar /	Fankhänel
WT 24/25	1710411	<a href="#">Architectural Theory/Research Seminar: Reading Beyond the Buildings</a>	2 SWS	Seminar /	Fankhänel, Knoop
WT 24/25	1710413	<a href="#">Architectural Theory: Can machines be intelligent? Theories of born-digital design in architecture</a>	2 SWS	Seminar /	Fankhänel
WT 24/25	1710414	<a href="#">Architectural Theory/Research Seminar: Criticising Architecture</a>	2 SWS	Seminar /	Fankhänel, Wilkinson
ST 2025	1710407	<a href="#">Architectural Theory: Modern Servants</a>	2 SWS	Seminar /	Fankhänel, Wilkinson
ST 2025	1710408	<a href="#">Architekturtheorie: Design in Action: Fellow Travellers</a>	1 SWS	/	Fankhänel, Knoop
ST 2025	1710411	<a href="#">Theory of Architecture: Protests and Common Spaces</a>	2 SWS	Seminar /	Fankhänel
ST 2025	1710413	<a href="#">Architectural Theory: Architecture's Scales: Methods</a>	2 SWS	Seminar /	Meister
ST 2025	1710414	<a href="#">Architectural Theory: Archive Gossip</a>	2 SWS	Seminar /	Fankhänel, Brückner-Amin
ST 2025	1710417	<a href="#">Theory of Architecture: Phrases and Buildings: Toward an Atlas of AI</a>		Seminar /	Fankhänel

Legend: Online, Blended (On-Site/Online), On-Site, Cancelled

**Workload**

120 hours

Below you will find excerpts from events related to this course:

## V

**Architectural Theory: Rhein: Industrie/Kultur/Landschaft**1710407, WS 24/25, 2 SWS, Language: English, [Open in study portal](#)Seminar (S)  
Blended (On-Site/Online)

**Content**

The Rhein is one of Europe's most important rivers, a vital economic route transporting people and goods between major cities, a geographical feature joining and dividing the continent– and the world. It is also a cultural landscape that played a central role in the development of the modern German identity. However, the modern river is hardly natural at all, thanks to canalisation – it is, in effect, one of the world's biggest infrastructure projects. Since the industrial revolution, it has also suffered from serious pollution, and now climate change threatens to render it unnavigable. In this research seminar we will visit key sites and read texts from poets, designers, philosophers, and geographers, using the Rhein and its architecture to explore bigger questions about nature and design, economics and culture.

Focus of study: Architectural and Cultural Heritage

4 x Friday 9:45am-1:00pm/ 2 x day trips, also on Fridays

Seminar 1 & 2 (25.10); Seminar 3 & 4 (1.11) (online)

Seminar 5 & 6 Basel (22.11); Seminar 7 & 8 (6.12)

Seminar 9 & 10 Mannheim (20.12); Seminar 11 & 12 (17.01)Thu., 30.01.24,5:00-8:00pm, Final event at the Architekturschaufenster: AT goes A SF

Number of Participants: 8

**Theory of Architecture: Living Archive!**

1710409, WS 24/25, 4 SWS, Language: German/English, [Open in study portal](#)

**Seminar (S)**  
**Blended (On-Site/Online)**

**Content**

This course explores the transformation of the Panel Block Housing in the transition period from a planned to a market economy in post-Soviet Georgia, primarily from the late 1990s to the early 2000s. The emergence of new architectural elements within post-Soviet contexts is a compelling area for investigation. This involves documenting a 'living archive' by visualizing and analyzing the various typologies of these transformed spaces. Of note are the existing typologies of self-built structures, like balconies, ground floors, extensions, and garages, to mention a few, which serve as a tangible record of the architectural evolution of the period for professionals.

The planned course aims to meticulously research the "living archive" and analyze and document them.

Focus of study: Architectural and Cultural Heritage

3 x Fridays 2:00-5:15 pm / 3 x Fridays 2:00-5:15 pm (online)

Seminar 1 & 2 (25.10); Seminar 3 & 4 (8.11)

Seminar 5 & 6 (22.11) online; Seminar 7 & 8 (13.12)

Seminar 9 & 10 (20.12) online; Seminar 11 & 12(11.01) online

Thu., 30.01.24, 17:00-20:00h, Final event at the Architekturschaufenster: AT goes A SF

**Architectural Theory: Exhibit A(rchitecture). Exhibitions that have shaped architecture**

1710410, WS 24/25, 4 SWS, Language: English, [Open in study portal](#)

**Seminar (S)**  
**Blended (On-Site/Online)**

**Content**

Theory doesn't always come in the form of written manifestoes or books. Often ideas are transmitted through other media such as buildings, photos or exhibitions. Deciphering their critical influence on architectural culture is a key skill in any architect's tool kit.

Architecture exhibitions have a profound influence on the way we negotiate the built environment. While some have been credited with initiating whole movements (International Style, MoMA, 1932 or Venice Biennale, 1980) others have secured a lasting legacy for individual architects by inscribing them into the canon of great architecture.

This seminar unpacks a select number of exhibitions that have shaped architecture's relationship to styles and fashions, technological advances, the relationship of humans to nature, nationality, culture and globalization, the individual's place in society, and our relationship to history.

Introduction: Wed., 23.10.2024, 11:30am -1:00pm

Last date: Thu., 30.01.24, 5:00-8:00pm, Final event at the Architekturschaufenster: AT goes A SF

Number of Participants: 8

**Architectural Theory/Research Seminar: Reading Beyond the Buildings**

1710411, WS 24/25, 2 SWS, Language: German/English, [Open in study portal](#)

**Seminar (S)**  
**Blended (On-Site/Online)**

**Content**

Architecture and urban space are part of an infrastructure for political participation and legal citizenship, such as through the organisation and aesthetic impact of public space and cultural and political institutions. After the Second World War, the discipline of architecture was given the task by the United Nations of not only solving housing problems, but also having an impact on international relations. This also marked the beginning of an examination of architectural spaces of colonialism, human rights violations or discrimination. How was and is the discipline involved or responsible? What positions does it adopt today? In this research seminar, we want to read, discuss and research 'beyond the buildings' based on texts from architectural theory, political science and post-colonial studies.

Focus of study: Architectural and Cultural Heritage / the texts to be edited will be in english

Monday 2-5:15 pm in person/online 14daily

Intro: Monday 21.10.24

Workshop 1: Monday 4.11.24

Workshop 2: Monday 9.12.24

Workshop 3: Monday 27.01.25

Final Event: 30.01.25, at the Architekturschaufenster: AT goes A SF

Number of Participants: 8

V

### **Architectural Theory: Can machines be intelligent? Theories of born-digital design in architecture**

1710413, WS 24/25, 2 SWS, Language: English, [Open in study portal](#)

**Seminar (S)  
Blended (On-Site/Online)**

**Content**

Where is architectural design headed in a rapidly changing age of proprietary software empires, artificial intelligence, and virtuality? This seminar pulls back the curtain on the origins of today's born-digital design philosophies and their influence on architectural thinking: from participatory design and intelligent computational design assistants to an expanded field of generative geometries to the emergence of web-based interactive platforms. Key texts and select case studies from the 60s until today examine the influence that software, computers and the internet have on the design of architecture, and architectural thinking in society at large.

Introduction: Fri., 25.10.2024, 09:45am - 11:15am

Last date: Thu., 30.01.24, 5:00-8:00pm, Final event at the Architekturschaufenster: AT goes A SF

V

### **Architectural Theory/Research Seminar: Criticising Architecture**

1710414, WS 24/25, 2 SWS, Language: English, [Open in study portal](#)

**Seminar (S)  
Blended (On-Site/Online)**

**Content**

In this research seminar we will consider the role of criticism in architecture: what it means to be critical, how criticism functions as a professional practice, what relationship criticism has to design, and what criticism can do today. We will read and analyse some key examples, as well as some theoretical reflections on the form, and then produce a short piece of criticism ourselves.

Focus of study: Architectural and Cultural Heritage

4 x 90 min seminars Fridays 2:00-3:30pm

1: 25.10.24

2: 01.11.24 (online)

3: 06.12.24

4: 17.01.25

Thu 30.01.24, 5:00-8:00pm, Final event at the Architekturschaufenster: AT goes A SF

Number of Participants: 20

V

### **Architectural Theory: Modern Servants**

1710407, SS 2025, 2 SWS, Language: English, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

Modernist homes have often been presented as machines for living, in which new technology alleviates tedious housework. In fact they were run by servants, who were allocated concealed spaces within these buildings – a situation that continues today in many countries. Thinking about these spaces, and their historical roots in feudalism, patriarchy and slavery, allows us to ask intersectional questions about the labour that sustains modernist architecture, and about the illusions and contradictions of modernity itself.

Focus of study: Architectural and Cultural Heritage

The seminars and lectures will take place 6 times Fri 11.30-13.00 & 6 times Fri 14.00-15.30. Thu 17.07. 18.00-20.00 Mandatory final event at the Architekturschaufenster: AT goes A SF

**Architekturtheorie: Design in Action: Fellow Travellers**

1710408, SS 2025, 1 SWS, Language: German, [Open in study portal](#)

**On-Site****Content**

In previous courses, we have worked intensively on analysing crises and challenges - now our focus is turning towards solutions! With Design in Action, we examine concrete approaches to social change, inspired by cultural theories (including Bruno Latour) and the "Fellow Travellers" exhibition at the ZKM.

The exhibition shows how artists, scientists and communities around the world are trying out new ways of living together. It is not just about criticism, but about action: about networks beyond traditional centres of power, about projects that actively shape the environment and society.

The free study work consists of two discussion sessions and two joint museum visits, during which each student looks at an object in depth.

Focus of study: Architectural and Cultural Heritage

The course will take place 2 times Thu 17.30-19.00 (24.04. & 15.05. AT seminar room) and 2 times Fri 14.00-15.30 (25.04. & 16.05. ZKM).

Thu 17.07. 18.00-20.00 Mandatory final event at the Architekturschaufenster: AT goes A SF

**Theory of Architecture: Protests and Common Spaces**

1710411, SS 2025, 2 SWS, Language: English, [Open in study portal](#)

**Seminar (S)  
On-Site****Content**

Recent waves of public protests around the world have not only reshaped political discourse, but also changed the physical and social landscapes of urban spaces and the way we perceive them. This seminar explores the phenomenon of protest architecture and its role in reclaiming urban spaces as platforms for solidarity, dialogue and collective action. We will examine protest sites with temporary structures, including makeshift shelters, communal kitchens and spontaneous performance spaces. These spaces are examined for their potential to challenge neoliberal urban fragmentation and privatization, and the analysis is supported by a review of the ongoing protests in Tbilisi, Georgia and past protests in the last decades like Gezi Park in Istanbul, Tahrir Square in Cairo and Maidan in Kyiv.

Gastrednerin: Tinatin Gurgenzidze

Focus of study: Architectural and Cultural Heritage

The course will take place 6 times.

Thu 17.07. 18.00-20.00 Mandatory final event at the Architekturschaufenster: AT goes A SF

Fri 25.04 - 11.00-14.00 (Introduction)

Thu 15.05 - 14.00-17.00

Fri 16.05 - 11.00-14.00

Thu 12.06 - 14.00-17.00

Fri 13.06 - 11.00-14.00

Fri 04.07 - 11.00-14.00

**Architectural Theory: Architecture's Scales: Methods**

1710413, SS 2025, 2 SWS, Language: English, [Open in study portal](#)

**Seminar (S)  
Blended (On-Site/Online)**

**Content**

While archival work provides the foundation for historical analysis, writing histories is the work of interpretation. How we write affects stories and narratives as much as what we write about. How is one to find and to interpret an “archive”? How does one add these missing stories, when conventional methods have failed to account for them? In this class, we will examine six methodologies: postcolonial studies; queer and feminist studies; alter-stories and new materialism; global histories and their critical revisions; geomeia studies; oral history and critical fabulation. Meeting in six double sessions, we will discuss texts that employ one of these methods, followed by an evening lecture and discussion with their authors. The seminar is taught in hybrid format collaboration with Prof. Dr. Alla Vronskaya, Kassel University and the Kunsthistorisches Institut in Florenz - Max Planck Institute. It is open to Bachelor, Master, and doctoral students.

Focus of study: Architectural and Cultural Heritage

Die Veranstaltung findet 6x Fr 10.00-11.30 und 6x Mo 18.30-20.00 (teils online) statt, genaue Termine werden noch bekanntgegeben.

Do 17.07. 17.00-20.00 Abschlussveranstaltung im Architekturschaufenster: AT goes A SF

**Architectural Theory: Archive Gossip**

1710414, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

In search of “Archive Gossip,” we explore the saai archive. On the basis of selected materials, we dedicate ourselves to little-explored stories and protagonists. The result includes the production of a podcast episode. We question the critical potential of gossip: Fragmented sources are constructed as stories only with a little speculation, but how do we deal with these gaps in knowledge?

To tackle this, we read texts about the archive as a place of knowledge construction to understand how information is stored in things and how it can be read out again. We want to ask productive questions of archival materials and architectural media and, building on that, tell exciting and accessible stories.

Focus of study: Architectural and Cultural Heritage

The course will take place 4 times Wed 11.30-13.00.

Thu 17.07. 18.00-20.00 Mandatory final event at the Architekturschaufenster: AT goes A SF

**Theory of Architecture: Phrases and Buildings: Toward an Atlas of AI**

1710417, SS 2025, SWS, Language: English, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

With Large Language Models (LLMs) computers have learned to mimic human speech. Unlike in humans such learning only happens with the help of preexisting vast collections of processable data, be it in the form textual sources or images, that allow an extrapolation of similarities and conventions. To draw meaning from such databases of precedents—to learn—machines employ techniques created by humans. Ordering systems such as tags, lists and comparisons are inherently governed by the use of language, from metadata to automatically derived alt texts.

This workshop seminar, held in conjunction with the preparation of the exhibition “City in the Cloud, Data on the Ground” at the Munich Architecture Museum, opening October 2025, will explore the role of human language as a descriptor in architecture.

Wed 9.45-11.15 / 23.4. introduction

Thu 17.07. 18.00-20.00 Mandatory final event at the Architekturschaufenster: AT goes A SF

## T

## 4.78 Course: Special Topics of Theory of Architecture 2 [T-ARCH-107393]

**Responsible:** Prof. Dr. Anna-Maria Meister  
**Organisation:** KIT Department of Architecture  
**Part of:** M-ARCH-103650 - Special Topics of Theory of Architecture 2

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each term	1

Events					
WT 24/25	1710407	Architectural Theory: Rhein: Industrie/Kultur/Landschaft	2 SWS	Seminar / 	Fankhänel, Wilkinson
WT 24/25	1710409	Theory of Architecture: Living Archive!	4 SWS	Seminar / 	Gurgenidze
WT 24/25	1710410	Architectural Theory: Exhibit A(rchitecture). Exhibitions that have shaped architecture	4 SWS	Seminar / 	Fankhänel
WT 24/25	1710411	Architectural Theory/Research Seminar: Reading Beyond the Buildings	2 SWS	Seminar / 	Fankhänel, Knoop
WT 24/25	1710413	Architectural Theory: Can machines be intelligent? Theories of born-digital design in architecture	2 SWS	Seminar / 	Fankhänel
WT 24/25	1710414	Architectural Theory/Research Seminar: Criticising Architecture	2 SWS	Seminar / 	Fankhänel, Wilkinson
ST 2025	1710407	Architectural Theory: Modern Servants	2 SWS	Seminar / 	Fankhänel, Wilkinson
ST 2025	1710408	Architekturtheorie: Design in Action: Fellow Travellers	1 SWS	/ 	Fankhänel, Knoop
ST 2025	1710411	Theory of Architecture: Protests and Common Spaces	2 SWS	Seminar / 	Fankhänel
ST 2025	1710413	Architectural Theory: Architecture's Scales: Methods	2 SWS	Seminar / 	Meister
ST 2025	1710414	Architectural Theory: Archive Gossip	2 SWS	Seminar / 	Fankhänel, Brückner-Amin
ST 2025	1710417	Theory of Architecture: Phrases and Buildings: Toward an Atlas of AI		Seminar / 	Fankhänel

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

**Workload**

120 hours

Below you will find excerpts from events related to this course:

## V

**Architectural Theory: Rhein: Industrie/Kultur/Landschaft**1710407, WS 24/25, 2 SWS, Language: English, [Open in study portal](#)Seminar (S)  
Blended (On-Site/Online)

**Content**

The Rhein is one of Europe's most important rivers, a vital economic route transporting people and goods between major cities, a geographical feature joining and dividing the continent– and the world. It is also a cultural landscape that played a central role in the development of the modern German identity. However, the modern river is hardly natural at all, thanks to canalisation – it is, in effect, one of the world's biggest infrastructure projects. Since the industrial revolution, it has also suffered from serious pollution, and now climate change threatens to render it unnavigable. In this research seminar we will visit key sites and read texts from poets, designers, philosophers, and geographers, using the Rhein and its architecture to explore bigger questions about nature and design, economics and culture.

Focus of study: Architectural and Cultural Heritage

4 x Friday 9:45am-1:00pm/ 2 x day trips, also on Fridays

Seminar 1 & 2 (25.10); Seminar 3 & 4 (1.11) (online)

Seminar 5 & 6 Basel (22.11); Seminar 7 & 8 (6.12)

Seminar 9 & 10 Mannheim (20.12); Seminar 11 & 12 (17.01) Thu., 30.01.24, 5:00-8:00pm, Final event at the Architekturschaufenster: AT goes A SF

Number of Participants: 8

**Theory of Architecture: Living Archive!**

1710409, WS 24/25, 4 SWS, Language: German/English, [Open in study portal](#)

**Seminar (S)  
Blended (On-Site/Online)**

**Content**

This course explores the transformation of the Panel Block Housing in the transition period from a planned to a market economy in post-Soviet Georgia, primarily from the late 1990s to the early 2000s. The emergence of new architectural elements within post-Soviet contexts is a compelling area for investigation. This involves documenting a 'living archive' by visualizing and analyzing the various typologies of these transformed spaces. Of note are the existing typologies of self-built structures, like balconies, ground floors, extensions, and garages, to mention a few, which serve as a tangible record of the architectural evolution of the period for professionals.

The planned course aims to meticulously research the "living archive" and analyze and document them.

Focus of study: Architectural and Cultural Heritage

3 x Fridays 2:00-5:15 pm / 3 x Fridays 2:00-5:15 pm (online)

Seminar 1 & 2 (25.10); Seminar 3 & 4 (8.11)

Seminar 5 & 6 (22.11) online; Seminar 7 & 8 (13.12)

Seminar 9 & 10 (20.12) online; Seminar 11 & 12 (11.01) online

Thu., 30.01.24, 17:00-20:00h, Final event at the Architekturschaufenster: AT goes A SF

**Architectural Theory: Exhibit A(rchitecture). Exhibitions that have shaped architecture**

1710410, WS 24/25, 4 SWS, Language: English, [Open in study portal](#)

**Seminar (S)  
Blended (On-Site/Online)**

**Content**

Theory doesn't always come in the form of written manifestoes or books. Often ideas are transmitted through other media such as buildings, photos or exhibitions. Deciphering their critical influence on architectural culture is a key skill in any architect's tool kit.

Architecture exhibitions have a profound influence on the way we negotiate the built environment. While some have been credited with initiating whole movements (International Style, MoMA, 1932 or Venice Biennale, 1980) others have secured a lasting legacy for individual architects by inscribing them into the canon of great architecture.

This seminar unpacks a select number of exhibitions that have shaped architecture's relationship to styles and fashions, technological advances, the relationship of humans to nature, nationality, culture and globalization, the individual's place in society, and our relationship to history.

Introduction: Wed., 23.10.2024, 11:30am -1:00pm

Last date: Thu., 30.01.24, 5:00-8:00pm, Final event at the Architekturschaufenster: AT goes A SF

Number of Participants: 8

**Architectural Theory/Research Seminar: Reading Beyond the Buildings**

1710411, WS 24/25, 2 SWS, Language: German/English, [Open in study portal](#)

**Seminar (S)  
Blended (On-Site/Online)**

**Content**

Architecture and urban space are part of an infrastructure for political participation and legal citizenship, such as through the organisation and aesthetic impact of public space and cultural and political institutions. After the Second World War, the discipline of architecture was given the task by the United Nations of not only solving housing problems, but also having an impact on international relations. This also marked the beginning of an examination of architectural spaces of colonialism, human rights violations or discrimination. How was and is the discipline involved or responsible? What positions does it adopt today? In this research seminar, we want to read, discuss and research 'beyond the buildings' based on texts from architectural theory, political science and post-colonial studies.

Focus of study: Architectural and Cultural Heritage / the texts to be edited will be in english

Monday 2-5:15 pm in person/online 14daily

Intro: Monday 21.10.24

Workshop 1: Monday 4.11.24

Workshop 2: Monday 9.12.24

Workshop 3: Monday 27.01.25

Final Event: 30.01.25, at the Architekturschaufenster: AT goes A SF

Number of Participants: 8

V

### **Architectural Theory: Can machines be intelligent? Theories of born-digital design in architecture**

1710413, WS 24/25, 2 SWS, Language: English, [Open in study portal](#)

**Seminar (S)  
Blended (On-Site/Online)**

**Content**

Where is architectural design headed in a rapidly changing age of proprietary software empires, artificial intelligence, and virtuality? This seminar pulls back the curtain on the origins of today's born-digital design philosophies and their influence on architectural thinking: from participatory design and intelligent computational design assistants to an expanded field of generative geometries to the emergence of web-based interactive platforms. Key texts and select case studies from the 60s until today examine the influence that software, computers and the internet have on the design of architecture, and architectural thinking in society at large.

Introduction: Fri., 25.10.2024, 09:45am - 11:15am

Last date: Thu., 30.01.24, 5:00-8:00pm, Final event at the Architekturschaufenster: AT goes A SF

V

### **Architectural Theory/Research Seminar: Criticising Architecture**

1710414, WS 24/25, 2 SWS, Language: English, [Open in study portal](#)

**Seminar (S)  
Blended (On-Site/Online)**

**Content**

In this research seminar we will consider the role of criticism in architecture: what it means to be critical, how criticism functions as a professional practice, what relationship criticism has to design, and what criticism can do today. We will read and analyse some key examples, as well as some theoretical reflections on the form, and then produce a short piece of criticism ourselves.

Focus of study: Architectural and Cultural Heritage

4 x 90 min seminars Fridays 2:00-3:30pm

1: 25.10.24

2: 01.11.24 (online)

3: 06.12.24

4: 17.01.25

Thu 30.01.24, 5:00-8:00pm, Final event at the Architekturschaufenster: AT goes A SF

Number of Participants: 20

V

### **Architectural Theory: Modern Servants**

1710407, SS 2025, 2 SWS, Language: English, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

Modernist homes have often been presented as machines for living, in which new technology alleviates tedious housework. In fact they were run by servants, who were allocated concealed spaces within these buildings – a situation that continues today in many countries. Thinking about these spaces, and their historical roots in feudalism, patriarchy and slavery, allows us to ask intersectional questions about the labour that sustains modernist architecture, and about the illusions and contradictions of modernity itself.

Focus of study: Architectural and Cultural Heritage

The seminars and lectures will take place 6 times Fri 11.30-13.00 & 6 times Fri 14.00-15.30. Thu 17.07. 18.00-20.00 Mandatory final event at the Architekturschaufenster: AT goes A SF

**Architekturtheorie: Design in Action: Fellow Travellers**

1710408, SS 2025, 1 SWS, Language: German, [Open in study portal](#)

**On-Site****Content**

In previous courses, we have worked intensively on analysing crises and challenges - now our focus is turning towards solutions! With Design in Action, we examine concrete approaches to social change, inspired by cultural theories (including Bruno Latour) and the "Fellow Travellers" exhibition at the ZKM.

The exhibition shows how artists, scientists and communities around the world are trying out new ways of living together. It is not just about criticism, but about action: about networks beyond traditional centres of power, about projects that actively shape the environment and society.

The free study work consists of two discussion sessions and two joint museum visits, during which each student looks at an object in depth.

Focus of study: Architectural and Cultural Heritage

The course will take place 2 times Thu 17.30-19.00 (24.04. & 15.05. AT seminar room) and 2 times Fri 14.00-15.30 (25.04. & 16.05. ZKM).

Thu 17.07. 18.00-20.00 Mandatory final event at the Architekturschaufenster: AT goes A SF

**Theory of Architecture: Protests and Common Spaces**

1710411, SS 2025, 2 SWS, Language: English, [Open in study portal](#)

**Seminar (S)  
On-Site****Content**

Recent waves of public protests around the world have not only reshaped political discourse, but also changed the physical and social landscapes of urban spaces and the way we perceive them. This seminar explores the phenomenon of protest architecture and its role in reclaiming urban spaces as platforms for solidarity, dialogue and collective action. We will examine protest sites with temporary structures, including makeshift shelters, communal kitchens and spontaneous performance spaces. These spaces are examined for their potential to challenge neoliberal urban fragmentation and privatization, and the analysis is supported by a review of the ongoing protests in Tbilisi, Georgia and past protests in the last decades like Gezi Park in Istanbul, Tahrir Square in Cairo and Maidan in Kyiv.

Gastrednerin: Tinatin Gurgenzidze

Focus of study: Architectural and Cultural Heritage

The course will take place 6 times.

Thu 17.07. 18.00-20.00 Mandatory final event at the Architekturschaufenster: AT goes A SF

Fri 25.04 - 11.00-14.00 (Introduction)

Thu 15.05 - 14.00-17.00

Fri 16.05 - 11.00-14.00

Thu 12.06 - 14.00-17.00

Fri 13.06 - 11.00-14.00

Fri 04.07 - 11.00-14.00

**Architectural Theory: Architecture's Scales: Methods**

1710413, SS 2025, 2 SWS, Language: English, [Open in study portal](#)

**Seminar (S)  
Blended (On-Site/Online)**

**Content**

While archival work provides the foundation for historical analysis, writing histories is the work of interpretation. How we write affects stories and narratives as much as what we write about. How is one to find and to interpret an “archive”? How does one add these missing stories, when conventional methods have failed to account for them? In this class, we will examine six methodologies: postcolonial studies; queer and feminist studies; alter-stories and new materialism; global histories and their critical revisions; geomeia studies; oral history and critical fabulation. Meeting in six double sessions, we will discuss texts that employ one of these methods, followed by an evening lecture and discussion with their authors. The seminar is taught in in hybrid format collaboration with Prof. Dr. Alla Vronskaya, Kassel University and the Kunsthistorisches Institut in Florenz - Max Planck Institute. It is open to Bachelor, Master, and doctoral students.

Focus of study: Architectural and Cultural Heritage

Die Veranstaltung findet 6x Fr 10.00-11.30 und 6x Mo 18.30-20.00 (teils online) statt, genaue Termine werden noch bekanntgegeben.

Do 17.07. 17.00-20.00 Abschlussveranstaltung im Architekturschaufenster: AT goes A SF

**Architectural Theory: Archive Gossip**

1710414, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

In search of “Archive Gossip,” we explore the saai archive. On the basis of selected materials, we dedicate ourselves to little-explored stories and protagonists. The result includes the production of a podcast episode. We question the critical potential of gossip: Fragmented sources are constructed as stories only with a little speculation, but how do we deal with these gaps in knowledge?

To tackle this, we read texts about the archive as a place of knowledge construction to understand how information is stored in things and how it can be read out again. We want to ask productive questions of archival materials and architectural media and, building on that, tell exciting and accessible stories.

Focus of study: Architectural and Cultural Heritage

The course will take place 4 times Wed 11.30-13.00.

Thu 17.07. 18.00-20.00 Mandatory final event at the Architekturschaufenster: AT goes A SF

**Theory of Architecture: Phrases and Buildings: Toward an Atlas of AI**

1710417, SS 2025, SWS, Language: English, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

With Large Language Models (LLMs) computers have learned to mimic human speech. Unlike in humans such learning only happens with the help of preexisting vast collections of processable data, be it in the form textual sources or images, that allow an extrapolation of similarities and conventions. To draw meaning from such databases of precedents—to learn—machines employ techniques created by humans. Ordering systems such as tags, lists and comparisons are inherently governed by the use of language, from metadata to automatically derived alt texts.

This workshop seminar, held in conjunction with the preparation of the exhibition “City in the Cloud, Data on the Ground” at the Munich Architecture Museum, opening October 2025, will explore the role of human language as a descriptor in architecture.

Wed 9.45-11.15 / 23.4. introduction

Thu 17.07. 18.00-20.00 Mandatory final event at the Architekturschaufenster: AT goes A SF

## T

## 4.79 Course: Special Topics of Urban Design [T-ARCH-107409]

**Responsible:** Prof. Henri Bava  
Prof. Dr.-Ing. Barbara Engel  
Prof. Christian Inderbitzin  
Prof. Markus Neppl

**Organisation:** KIT Department of Architecture

**Part of:** [M-ARCH-103668 - Special Topics of Urban Design](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each term	1

Events					
WT 24/25	1731095	<a href="#">Quarter Analysis: Urban India - Spatial Structures and Typologies in Metropolitan Areas</a>	2 SWS	Seminar /	Neppl, Giralt
WT 24/25	1731098	<a href="#">Research Seminar/Special Topics of Urban Design: Urban Digital Twins as a Planning Basis for Solar Potential and Monument Protection</a>	4 SWS	Seminar /	Neppl, Zeile
WT 24/25	1731171	<a href="#">International Urban Design: Metropol.X – Santiago de Chile</a>	2 SWS	Seminar /	Engel, Staab
WT 24/25	1731180	<a href="#">Research Seminar: Transformative Planning Culture. Strategies. Plans. Projects.</a>	2 SWS	Seminar /	Engel
WT 24/25	1731214	<a href="#">Special Topics of Urban Design: Ruralities Facing Climate Change. Lab 3.0 : La Sambre</a>	2 SWS	Seminar /	Bava, Romero Carnicero
WT 24/25	1731280	<a href="#">Urban Design and Housing: Exhibition Hübsche Pflanzenhäuser</a>	2 SWS	Seminar /	Inderbitzin, Schork, von Zepelin
ST 2025	1731095	<a href="#">Research Seminar/Special Topics of Urban Design: Climate, energy, cultural heritage + X - Urban digital twins as a simulation tool for urban planning</a>	4 SWS	Seminar /	Neppl, Zeile
ST 2025	1731272	<a href="#">Special Topics of Urban Design: Exhibition Hübsche Pflanzhäuser</a>	2 SWS	Seminar /	Inderbitzin, Schork, von Zepelin
ST 2025	1731282	<a href="#">Stadt und Wohnen: Architecture of Living</a>	2 SWS	Seminar /	Inderbitzin, Schork, von Zepelin

Legend: Online, Blended (On-Site/Online), On-Site, Cancelled

### Competence Certificate

Other examination requirements consisting of seminar papers in written and/or drawing form with a maximum length of 20 pages and a presentation or a paper with a maximum length of 20 minutes.

### Prerequisites

none

Below you will find excerpts from events related to this course:

## V

### Quarter Analysis: Urban India - Spatial Structures and Typologies in Metropolitan Areas

1731095, WS 24/25, 2 SWS, Language: German/English, [Open in study portal](#)

Seminar (S)  
On-Site

**Content**

With an urban population below 40%, India is experiencing one of the most dynamic urbanization processes globally.

In addition, India surpassed China in terms of population size in April 2023, largely due to its rapid population growth. For this reason, we will examine urban development in South Asia with a focus on urban growth patterns and prevailing building typologies in metropolitan areas like Delhi, Mumbai and Hyderabad.

After a brief dive into the history of these fascinating cities we focus on the urban structures, mobility networks and open spaces. In order to achieve comparable results, we will select three representative areas in each city for detailed analysis. The objective is to gain insights into current urban patterns and typologies, which will then be summarized in a publication.

Appointment: Wed, 9:45 am-1:00 pm, Bldg. 11.40, R015

First meeting: 23.10.2023

Submission/Presentation: 27.01.2025

Number of Participants: 14

Focus of study: Urban Design

Form: Teamwork (groups of 2)

V

### Research Seminar/Special Topics of Urban Design: Urban Digital Twins as a Planning Basis for Solar Potential and Monument Protection

Seminar (S)  
On-Site

1731098, WS 24/25, 4 SWS, Language: German, [Open in study portal](#)

**Content**

Urban digital twins (UDZ) are virtual models of cities that can visualise, simulate, and ideally optimise physical and functional aspects to improve planning and decision-making processes in urban planning. As part of the seminar, the 'twin' of Landsberg am Lech will be used to create proposals for the design of solar installations in a historical context. The roof, as the 5th façade in the urban space, will be examined virtually in design and monument protection to determine visual axes, historical design spaces and concrete design specifications. The Digital Twin and Monument Protection departments of the City of Landsberg and the Bavarian State Office for Monument Preservation are cooperation partners.

Appointment: Tue, 9:45 am-1:00 pm, Bldg. 11.40, R015

Excursion: during the event

Submission/exam: 25.02.2025

Number of Participants: 20

Focus of study: Urban Design

Form: Teamwork (2)

V

### International Urban Design: Metropol.X – Santiago de Chile

Seminar (S)  
On-Site

1731171, WS 24/25, 2 SWS, Language: English, [Open in study portal](#)

**Content**

The metropolitan region around Santiago is home to almost half of the Chilean population. Although the seat of government is in Valparaiso, it is the undisputed political center of the country. Due to the rapid population development over the last 40 years, the city is exposed to massive problems of air and water pollution. The reason is infrastructural overload and industrial emissions in combination with the geographical basin location at the foot of the Andes. At the same time, urban development has created high levels of socioeconomic segregation. In the seminar, selected aspects of the city will be mapped, critically evaluated and finally visualized. The result is an atlas of the contemporary urban landscape of Santiago de Chile.

Appointment: Tue 09:45–11:15 Uhr, 11.40, R 013

First Meeting: Tue 22.10.2024

Pin-up: Tue 03.12.2024

Presentation: Tue 04.02.2025

Submission: Tue 04.03.2025

Number of Participants: 12 (MA)

Groupwork: Teamwork

Focus of Study: Urban Design

V

**Research Seminar: Transformative Planning Culture. Strategies. Plans. Projects.****Seminar (S)  
Online**1731180, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)**Content**

Cities worldwide are facing urgent challenges: taking care of natural resources, the necessary mobility turnaround, climate mitigation and adaptation and social cohesion are just a few of the programmatic terms of the necessary changes. It is high time to embark on transformative planning and development and to develop processes and instruments for implementation on a broad scale. The cross-university course focuses on the necessary transformative planning of cities and regions from different professional perspectives. Inputs are reflected in discussions. Written elaboration on a key topic. Further lecturers: Prof. Mario Trvtkovic, Prof. Frank Schwartze, Prof. Thorsten Erl a.o.

Appointment: Mon 16:00–17:30, online

First Meeting: Mon 21.10.2024 16:00

Lecture dates: 21.10.2024, 28.10.2024, 04.11.2024, 11.11.2024, 18.11.2024, 25.11.2024, 02.12.2024, 09.12.2024, 16.12.2024 13.01.2025, 20.01.2025

Submission/Exam: 28.02.2025

Number of Participants: unlimited

Focus of Study: Urban Design

V

**Special Topics of Urban Design: Rurality Facing Climate Change. Lab 3.0 :  
La Sambre****Seminar (S)  
Blended (On-Site/Online)**1731214, WS 24/25, 2 SWS, Language: English, [Open in study portal](#)**Content**

In the light of the recent climate crisis and the desire of many people living in cities to reconnect with the countryside, a reversal of the rural exodus is observed. The desire to return to greater proximity with the food-producing areas, sprawling the urban fabric, supporting desertification processes of the soils, added to climate changes raise a certain number of problems. How to ensure a quality of life? How can we reconcile the positive contributions of modernity with local customs and traditions? How can we design infrastructures and systems that are more resilient to climate change? Water management, landscape enhancement, energy autonomy will be our parameters. We aim to generate crossed views at tropical remote territories facing climate challenges capable to generate unexpected realities for a new rurality. In the first block, some online talks will serve as introduction to the main topics. Then, a site visit of the valley of the river Sambre near Thuin will be the laboratory to explore new forms of fighting climate change in rural areas. This is an International Seminar in cooperation with Universities of Brussels, Alicante and La Reunion. International teams will work together during the field trip.

First Meeting: Fri 8th November 12:00 am Online

Block 1: 4.4., 11.4., 18.4.2025 Online

Block 2 / Field Trip: Thuin, Belgium, aprox. 25.4.-3.5.2025 (Second week of SS25)

Number of Participants: 8

Online + Exkursion

With financial support from BIP Erasmus+: 70€/day for trip and accommodation.

V

**Urban Design and Housing: Exhibition Hübsche Pflanzenhäuser****Seminar (S)  
On-Site**1731280, WS 24/25, 2 SWS, Language: German/English, [Open in study portal](#)

**Content**

The focus of the seminar is an exhibition planned by the Faculty of Architecture for 2025 on the occasion of the bicentenary existence of the KIT. The contribution of the chair *Stadt und Wohnen* to the exhibition deals with the architectural and cultural history of Heinrich Hübsch's greenhouses and the botanical gardens at the Schloss. On this basis, we trace the territorial and ideological-historical networks of the complex. Together with the other contributions, a picture of the city of Karlsruhe will emerge. The materials and knowledge of the *Studio Konstruierte Naturen* form the basis. In addition to the content-related work, we will develop the specific curation. The resulting content will include a film about the greenhouses and their staff, as well as various models.

In collaboration with the Chair of Building and Architectural History and other participating professorships working on buildings in Karlsruhe for the exhibition.

Appointment: Wed, 3:45 - 5:15 pm, Bldg. 11.40, R 115, Presence

Submission/Exam: to be announced

Number of Participants: 15

V

**Research Seminar/Special Topics of Urban Design: Climate, energy, cultural heritage  
+ X - Urban digital twins as a simulation tool for urban planning**
Seminar (S)  
On-Site

1731095, SS 2025, 4 SWS, Language: German, [Open in study portal](#)

**Content**

Urban digital twins (UDT) are virtual models of cities that use real-time data to simulate physical and functional aspects and optimise them in order to improve planning and decision-making processes in urban planning. We are investigating this question: How easy are simulations 'in the city', can we create something like this ourselves? In addition to Landsberg's UDT, we will create our own twins and get input from external experts from the fields of smart cities, climate, traffic, design, utilisation and other possible applications. Our cooperation partner is the 'Digital Twin, Climate Protection and Mobility' department of the city of Landsberg am Lech.

Appointment: Tue 9:45 am – 1:00 pm, Bldg. 11.40, R015

First Meeting: 22.04.2025, 9:45 am, Bldg. 11.40, R015

Submission/Exam: 12.08.2025

Number of Participants: 20

V

**Special Topics of Urban Design: Exhibition Hübsche Pflanzhäuser**
Seminar (S)  
Blended (On-Site/Online)

1731272, SS 2025, 2 SWS, Language: German/English, [Open in study portal](#)

**Content**

The focus of the seminar is an exhibition planned by the Faculty of Architecture for 2025 on the occasion of the bicentenary existence of the KIT. The contribution of the chair *Stadt und Wohnen* to the exhibition deals with the architectural and cultural history of Heinrich Hübsch's greenhouses and the botanical gardens at the Schloss. On this basis, we trace the territorial and ideological-historical networks of the complex. Together with the other contributions, a picture of the city of Karlsruhe will emerge. The materials and knowledge of the *Studio Konstruierte Naturen* from winter semester 23/24 and the subsequent seminars form the basis. In addition to the content-related work, we will develop the specific final curation. The resulting content will include a film about the greenhouses as well as various models.

Appointment: Wed, 3:45 - 5:15 pm,

Bldg. 11.40, R 115, Presence

Submission/Exam: to be announced

Number of Participants: 15

Team: Christian Inderbitzin, Anna Schork, Maximilian von Zepelin

V

**Stadt und Wohnen: Architecture of Living**
Seminar (S)  
Blended (On-Site/Online)

1731282, SS 2025, 2 SWS, Language: German/English, [Open in study portal](#)

**Content**

In the *Architecture of Living* seminar, we want to do basic research on the spatial, constructional and social characteristics that characterize and change the spaces in which we live. The analyses will not only be used for a typological classification based on floor plans, but will also explicitly explore unusual places and elements within selected apartments or houses. By analyzing specific situations, such as the way a door is opened and closed, we want to discuss what makes a good apartment and how this can be described. How do construction, building methods and materials influence spatial contexts?

Appointment: to be announced

Bldg. 11.40, R 115, Presence

Submission/Exam: to be announced

Number of Participants: 15

Team: Christian Inderbitzin, Maximilian von Zepelin

T

**4.80 Course: Special Topics of Urban Design [T-ARCH-108190]**

**Responsible:** Prof. Henri Bava  
Prof. Dr.-Ing. Barbara Engel  
Prof. Markus Neppl

**Organisation:** KIT Department of Architecture

**Part of:** [M-ARCH-103974 - Special Topics of Urban Design - Workshop](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Irregular	1

## T

## 4.81 Course: Special Topics of Urban Design 2 [T-ARCH-111792]

**Responsible:** Prof. Henri Bava  
Prof. Dr.-Ing. Barbara Engel  
Prof. Christian Inderbitzin  
Prof. Markus Neppl

**Organisation:** KIT Department of Architecture

**Part of:** [M-ARCH-105859 - Special Topics of Urban Design 2](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each term	1

Events					
WT 24/25	1731095	<a href="#">Quarter Analysis: Urban India - Spatial Structures and Typologies in Metropolitan Areas</a>	2 SWS	Seminar / 	Neppl, Giralt
WT 24/25	1731098	<a href="#">Research Seminar/Special Topics of Urban Design: Urban Digital Twins as a Planning Basis for Solar Potential and Monument Protection</a>	4 SWS	Seminar / 	Neppl, Zeile
WT 24/25	1731171	<a href="#">International Urban Design: Metropol.X – Santiago de Chile</a>	2 SWS	Seminar / 	Engel, Staab
WT 24/25	1731180	<a href="#">Research Seminar: Transformative Planning Culture. Strategies. Plans. Projects.</a>	2 SWS	Seminar / 	Engel
WT 24/25	1731214	<a href="#">Special Topics of Urban Design: Rurality Facing Climate Change. Lab 3.0 : La Sambre</a>	2 SWS	Seminar / 	Bava, Romero Carnicero
WT 24/25	1731280	<a href="#">Urban Design and Housing: Exhibition Hübsche Pflanzenhäuser</a>	2 SWS	Seminar / 	Inderbitzin, Schork, von Zepelin
ST 2025	1731095	<a href="#">Research Seminar/Special Topics of Urban Design: Climate, energy, cultural heritage + X - Urban digital twins as a simulation tool for urban planning</a>	4 SWS	Seminar / 	Neppl, Zeile
ST 2025	1731272	<a href="#">Special Topics of Urban Design: Exhibition Hübsche Pflanzhäuser</a>	2 SWS	Seminar / 	Inderbitzin, Schork, von Zepelin

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

Below you will find excerpts from events related to this course:

## V

### Quarter Analysis: Urban India - Spatial Structures and Typologies in Metropolitan Areas

1731095, WS 24/25, 2 SWS, Language: German/English, [Open in study portal](#)

Seminar (S)  
On-Site

**Content**

With an urban population below 40%, India is experiencing one of the most dynamic urbanization processes globally.

In addition, India surpassed China in terms of population size in April 2023, largely due to its rapid population growth. For this reason, we will examine urban development in South Asia with a focus on urban growth patterns and prevailing building typologies in metropolitan areas like Delhi, Mumbai and Hyderabad.

After a brief dive into the history of these fascinating cities we focus on the urban structures, mobility networks and open spaces. In order to achieve comparable results, we will select three representative areas in each city for detailed analysis. The objective is to gain insights into current urban patterns and typologies, which will then be summarized in a publication.

Appointment: Wed, 9:45 am-1:00 pm, Bldg. 11.40, R015

First meeting: 23.10.2023

Submission/Presentation: 27.01.2025

Number of Participants: 14

Focus of study: Urban Design

Form: Teamwork (groups of 2)

V

### Research Seminar/Special Topics of Urban Design: Urban Digital Twins as a Planning Basis for Solar Potential and Monument Protection

Seminar (S)  
On-Site

1731098, WS 24/25, 4 SWS, Language: German, [Open in study portal](#)

**Content**

Urban digital twins (UDZ) are virtual models of cities that can visualise, simulate, and ideally optimise physical and functional aspects to improve planning and decision-making processes in urban planning. As part of the seminar, the 'twin' of Landsberg am Lech will be used to create proposals for the design of solar installations in a historical context. The roof, as the 5th façade in the urban space, will be examined virtually in design and monument protection to determine visual axes, historical design spaces and concrete design specifications. The Digital Twin and Monument Protection departments of the City of Landsberg and the Bavarian State Office for Monument Preservation are cooperation partners.

Appointment: Tue, 9:45 am-1:00 pm, Bldg. 11.40, R015

Excursion: during the event

Submission/exam: 25.02.2025

Number of Participants: 20

Focus of study: Urban Design

Form: Teamwork (2)

V

### International Urban Design: Metropol.X – Santiago de Chile

Seminar (S)  
On-Site

1731171, WS 24/25, 2 SWS, Language: English, [Open in study portal](#)

**Content**

The metropolitan region around Santiago is home to almost half of the Chilean population. Although the seat of government is in Valparaiso, it is the undisputed political center of the country. Due to the rapid population development over the last 40 years, the city is exposed to massive problems of air and water pollution. The reason is infrastructural overload and industrial emissions in combination with the geographical basin location at the foot of the Andes. At the same time, urban development has created high levels of socioeconomic segregation. In the seminar, selected aspects of the city will be mapped, critically evaluated and finally visualized. The result is an atlas of the contemporary urban landscape of Santiago de Chile.

Appointment: Tue 09:45–11:15 Uhr, 11.40, R 013

First Meeting: Tue 22.10.2024

Pin-up: Tue 03.12.2024

Presentation: Tue 04.02.2025

Submission: Tue 04.03.2025

Number of Participants: 12 (MA)

Groupwork: Teamwork

Focus of Study: Urban Design

V

**Research Seminar: Transformative Planning Culture. Strategies. Plans. Projects.****Seminar (S)  
Online**1731180, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)**Content**

Cities worldwide are facing urgent challenges: taking care of natural resources, the necessary mobility turnaround, climate mitigation and adaptation and social cohesion are just a few of the programmatic terms of the necessary changes. It is high time to embark on transformative planning and development and to develop processes and instruments for implementation on a broad scale. The cross-university course focuses on the necessary transformative planning of cities and regions from different professional perspectives. Inputs are reflected in discussions. Written elaboration on a key topic. Further lecturers: Prof. Mario Trvtkovic, Prof. Frank Schwartze, Prof. Thorsten Erl a.o.

Appointment: Mon 16:00–17:30, online

First Meeting: Mon 21.10.2024 16:00

Lecture dates: 21.10.2024, 28.10.2024, 04.11.2024, 11.11.2024, 18.11.2024, 25.11.2024, 02.12.2024, 09.12.2024, 16.12.2024 13.01.2025, 20.01.2025

Submission/Exam: 28.02.2025

Number of Participants: unlimited

Focus of Study: Urban Design

V

**Special Topics of Urban Design: Rurality Facing Climate Change. Lab 3.0 :  
La Sambre****Seminar (S)  
Blended (On-Site/Online)**1731214, WS 24/25, 2 SWS, Language: English, [Open in study portal](#)**Content**

In the light of the recent climate crisis and the desire of many people living in cities to reconnect with the countryside, a reversal of the rural exodus is observed. The desire to return to greater proximity with the food-producing areas, sprawling the urban fabric, supporting desertification processes of the soils, added to climate changes raise a certain number of problems. How to ensure a quality of life? How can we reconcile the positive contributions of modernity with local customs and traditions? How can we design infrastructures and systems that are more resilient to climate change? Water management, landscape enhancement, energy autonomy will be our parameters. We aim to generate crossed views at tropical remote territories facing climate challenges capable to generate unexpected realities for a new rurality. In the first block, some online talks will serve as introduction to the main topics. Then, a site visit of the valley of the river Sambre near Thuin will be the laboratory to explore new forms of fighting climate change in rural areas. This is an International Seminar in cooperation with Universities of Brussels, Alicante and La Reunion. International teams will work together during the field trip.

First Meeting: Fri 8th November 12:00 am Online

Block 1: 4.4., 11.4., 18.4.2025 Online

Block 2 / Field Trip: Thuin, Belgium, aprox. 25.4.-3.5.2025 (Second week of SS25)

Number of Participants: 8

Online + Exkursion

With financial support from BIP Erasmus+: 70€/day for trip and accommodation.

V

**Urban Design and Housing: Exhibition Hübsche Pflanzenhäuser****Seminar (S)  
On-Site**1731280, WS 24/25, 2 SWS, Language: German/English, [Open in study portal](#)

**Content**

The focus of the seminar is an exhibition planned by the Faculty of Architecture for 2025 on the occasion of the bicentenary existence of the KIT. The contribution of the chair *Stadt und Wohnen* to the exhibition deals with the architectural and cultural history of Heinrich Hübsch's greenhouses and the botanical gardens at the Schloss. On this basis, we trace the territorial and ideological-historical networks of the complex. Together with the other contributions, a picture of the city of Karlsruhe will emerge. The materials and knowledge of the *Studio Konstruierte Naturen* form the basis. In addition to the content-related work, we will develop the specific curation. The resulting content will include a film about the greenhouses and their staff, as well as various models.

In collaboration with the Chair of Building and Architectural History and other participating professorships working on buildings in Karlsruhe for the exhibition.

Appointment: Wed, 3:45 - 5:15 pm, Bldg. 11.40, R 115, Presence

Submission/Exam: to be announced

Number of Participants: 15

V

**Research Seminar/Special Topics of Urban Design: Climate, energy, cultural heritage  
+ X - Urban digital twins as a simulation tool for urban planning**
Seminar (S)  
On-Site

1731095, SS 2025, 4 SWS, Language: German, [Open in study portal](#)

**Content**

Urban digital twins (UDT) are virtual models of cities that use real-time data to simulate physical and functional aspects and optimise them in order to improve planning and decision-making processes in urban planning. We are investigating this question: How easy are simulations 'in the city', can we create something like this ourselves? In addition to Landsberg's UDT, we will create our own twins and get input from external experts from the fields of smart cities, climate, traffic, design, utilisation and other possible applications. Our cooperation partner is the 'Digital Twin, Climate Protection and Mobility' department of the city of Landsberg am Lech.

Appointment: Tue 9:45 am – 1:00 pm, Bldg. 11.40, R015

First Meeting: 22.04.2025, 9:45 am, Bldg. 11.40, R015

Submission/Exam: 12.08.2025

Number of Participants: 20

V

**Special Topics of Urban Design: Exhibition Hübsche Pflanzhäuser**
Seminar (S)  
Blended (On-Site/Online)

1731272, SS 2025, 2 SWS, Language: German/English, [Open in study portal](#)

**Content**

The focus of the seminar is an exhibition planned by the Faculty of Architecture for 2025 on the occasion of the bicentenary existence of the KIT. The contribution of the chair *Stadt und Wohnen* to the exhibition deals with the architectural and cultural history of Heinrich Hübsch's greenhouses and the botanical gardens at the Schloss. On this basis, we trace the territorial and ideological-historical networks of the complex. Together with the other contributions, a picture of the city of Karlsruhe will emerge. The materials and knowledge of the *Studio Konstruierte Naturen* from winter semester 23/24 and the subsequent seminars form the basis. In addition to the content-related work, we will develop the specific final curation. The resulting content will include a film about the greenhouses as well as various models.

Appointment: Wed, 3:45 - 5:15 pm,

Bldg. 11.40, R 115, Presence

Submission/Exam: to be announced

Number of Participants: 15

Team: Christian Inderbitzin, Anna Schork, Maximilian von Zepelin

## T

## 4.82 Course: Special Topics of Urban Planning [T-ARCH-111794]

**Responsible:** Prof. Dr.-Ing. Joaquín Medina Warmburg

**Organisation:** KIT Department of Architecture

**Part of:** M-ARCH-105861 - Special Topics of History of Urban Planning

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each term	1

Events					
WT 24/25	1741382	Research Seminar: History of Architecture/Urban Planning: Nature in Stone: Plant Species in Gothic Architecture	2 SWS	Seminar / 🌀	Brehm
WT 24/25	1741383	History of Architecture/Urban Planning: KIT200: Exhibition Design	2 SWS	Seminar / 🗣️	Garrido
WT 24/25	1741384	History of Architecture/Urban Planning: Environmental Biographies. KIT200: Decoding Majolika Karlsruhe and its Environmental Networks	2 SWS	Seminar / 🗣️	Garrido
WT 24/25	1741386	History of Architecture/Urban Planning: Creepy Houses. Architecture and the City in the Movies (Part I)	2 SWS	Seminar / 🗣️	Medina Warmburg
WT 24/25	1741387	History of Architecture/Urban Planning: KIT200: Time as Material. About the Culture and Architecture of Cemeteries	2 SWS	Seminar / 🗣️	Medina Warmburg
WT 24/25	1741390	History of Architecture/Urban Planning: KIT 200: Municipal and Private Bath	2 SWS	Seminar / 🗣️	Rind
WT 24/25	1741392	Special Topics of History of Architecture/Urban Planning: Future needs Provenance – About Dealing with Monuments	2 SWS	Seminar / 🗣️	Kurz
WT 24/25	1741393	Special Topics of History of Architecture/Urban Planning: Preservation of Historical Monuments - Theory and Practice	2 SWS	Block / 🌀	Hanschke
WT 24/25	1741394	History of Architecture/Urban Planning: Strasbourg/Strasbourg - Cultural Exchange between France and Germany. Aspects of Architectural and Urban Planning between 1830 and 1940	2 SWS	Seminar / 🌀	Gawlik
ST 2025	1741384	Architecture in Film: History of Architecture/Urban Planning: Other Locations (Teil 2)	2 SWS	Seminar / 🗣️	Medina Warmburg
ST 2025	1741385	History of Garden Art: History of Architecture/Urban Planning: Hamburg's Urban Greenery - a Historical Overview of the last 200 Years	2 SWS	Excursion (E / 🗣️)	Medina Warmburg, Gawlik

ST 2025	1741387	<b>History of Cultural Landscapes: History of Architecture/Urban Planning: Resources, Regulation, and Regional Planning: Perspectives on an Environmental History of Architecture in the Early Modern Era</b>	2 SWS	Seminar / 	Medina Warmburg, Silvestri
ST 2025	1741390	<b>Historical Building Research _ Free Student Research Project</b>	2 SWS	Project (P / 	Medina Warmburg, Busse
ST 2025	1741391	<b>Selected Environmental History of Architecture: History of Architecture/Urban Planning: Case Study: Schlossgarten Karlsruhe</b>	2 SWS	Seminar / 	Medina Warmburg, Garrido
ST 2025	1741394	<b>Applied Historical Building Research_Exercise_Summer School Bronnbach Monastery</b>	2 SWS	Block / 	Medina Warmburg, Busse

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

### Competence Certificate

Other examination requirements consisting of an oral presentation of about 30 minutes as well as the written worked-out paper on this topic. There are certain courses where the examination requirement is project work consisting of a drawing of the given task.

### Prerequisites

none

Below you will find excerpts from events related to this course:

V

### Research Seminar: History of Architecture/Urban Planning: Nature in Stone: Plant Species in Gothic Architecture

1741382, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

Seminar (S)  
Blended (On-Site/Online)

### Content

Vines, leaves, flowers and fruit adorn Gothic architecture. From stylized forms to naturalistic depictions, nature was captured in stone. Where can these plants be found? Which species were depicted? Which plants were known and what meanings were attributed to them? In the seminar, the depictions of plants in the Gothic period will be traced on various Gothic buildings - the focus will be on Freiburg Minster. . The seminar begins with a compulsory excursion to Freiburg on 25 October 2024 (afternoon).

Submission/Exam: The knowledge acquired will be used to create a small exhibition, which will be organized as part of the seminar. The examination comprises exhibition texts and the development of an exhibition concept.

Number of Participants: 5

Focus of study: Architectural and Cultural Heritage

V

### History of Architecture/Urban Planning: KIT200: Exhibition Design

1741383, WS 24/25, 2 SWS, Language: German/English, [Open in study portal](#)

Seminar (S)  
On-Site

**Content**

Next year, the Karlsruhe Institute of Technology will celebrate its 200th anniversary. As the Faculty of Architecture was at the core of the university's foundation, the exhibition will focus on the contributions of KIT professors to the city.

This seminar will assist in designing the KIT's 200th anniversary exhibition, exploring exhibition design references as well as the organization and presentation of material from various departments and research seminars, emphasizing the connections between research, buildings, and architects associated with KIT and the city of Karlsruhe.

Additionally, the seminar will focus on designing the exhibition infrastructure, including spatial layouts, display systems, and support elements, to create a cohesive and engaging experience.

Submission/Exam: presentation and essay due 31.03.2025

Number of Participants: 5

Focus of study: Architectural and Cultural Heritage

V

### **History of Architecture/Urban Planning: Environmental Biographies. KIT200: Decoding Majolika Karlsruhe and its Environmental Networks**

1741384, WS 24/25, 2 SWS, Language: English, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

The Majolika factory in Karlsruhe is a key piece of infrastructure in the city. Located near the castle (and the geometric center of Karlsruhe) it has played a crucial role in linking the city with its surroundings by processing, manufacturing, and commercializing ceramic pieces for household, art and architecture.

Majolika's products permeated the inhabitants of Karlsruhe in many ways, from kitchen ware to decorations and even building components. The seminar will try to find, catalog and map the relationships between the factory, its products and its environment, exploring archival information, timelines, drawings, and other architectural tools to study Majolika's infrastructural, physical, natural, and artificial networks.

Submission/Exam: presentation and essay due 31.03.2024

Number of Participants: 7

Focus of study: Architectural and Cultural Heritage

V

### **History of Architecture/Urban Planning: Creepy Houses. Architecture and the City in the Movies (Part I)**

1741386, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

As a key medium of modernity, film has depicted and critically reflected on urban lifestyles and the architecture associated with them. Fiction has produced utopian and dystopian images and narratives of the city and architecture, which have eventually been used to design real spaces and structures. These interactions will be explored in a series of movies and seminars over the coming semesters. As a prelude, six films will explore the motif of the "uncanny" in residential architecture. The seminar will be credited for active participation in the preparation, moderation and follow-up of a film evening.

1. Meeting: 31.10.2024

Dates: 6 double sessions in November and December

Number of Participants: 12 active participants (6 Bachelor and 6 Master), open to interested members of the public.

Focus of Study: Architectural and Cultural Heritage

V

### **History of Architecture/Urban Planning: KIT200: Time as Material. About the Culture and Architecture of Cemeteries**

1741387, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

In monumental tombs and cemeteries, more than in almost any other building, the symbolic power of architecture is immediately apparent. Symbolically charged necropolises mark the beginnings of sedentary settlements and urban civilisation. Even in today's cities, they are heterotopias where the fictional and the real merge. In them, personal memories overlap with collective visions of what the future holds. At the same time, different cultures and religions deal with the decomposition of the dead bodies in different ways, challenging the urban metabolism of the living. To approach these questions, we will begin by analysing a specific case in Karlsruhe: Friedrich Eisenlohr's Crypt Hall and Chapel in the Old Cemetery.

1. Meeting: 29.10.2024

Number of Participants: 10 (5 Bachelor, 5 Master)

Focus of study: Architectural and Cultural Heritage


**History of Architecture/Urban Planning: KIT 200: Municipal and Private Bath**

1741390, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

Today, we can't imagine a home without a bathroom. Bathing or showering with hot water straight from the tap is part of our everyday lives. However, this separate room with hot and cold running water and permanently installed ceramics is a relatively new facility. There were much longer bathing rooms and later public baths with bathtubs, spa departments and swimming areas.

We want to trace this development for Karlsruhe, starting with the Vierordtbad. We will examine both Karlsruhe swimming pools and bathhouses as well as private bathrooms in residential buildings. The analysis is based on archive material and site visits. The different views on hygiene and body ideals as well as the technical innovations are just as much a part of the investigation as the time-specific concepts of space and design.

Submission: poster or paper

Number of Participants: 6

Focus of study: Architectural and Cultural Heritage


**Special Topics of History of Architecture/Urban Planning: Future needs Provenance –  
About Dealing with Monuments**

1741392, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

The seminar is about the skills and the desire to bring monuments and other valuable buildings appropriately into the future. To this end, we look at the planning and constructional handling of various monuments and deal with topics such as: cultural significance, inventory investigations, as well as the choice of methods and measures. On the basis of concrete projects, we drill into the depths of theory at the crucial points and sound out exemplary aspects of the discursive character of the discipline of "monument preservation". The focus is on monuments of the 20th century.

1. Meeting: 28.10.2024

Submission/Exam: Development of various contributions / presentations as well as guiding questions for the discussion in the seminar. A written summary is to be handed in together with the contribution / presentation due 31.03.2025

Number of Participants: 8

Focus of study: Architectural and Cultural Heritage


**Special Topics of History of Architecture/Urban Planning: Preservation of  
Historical Monuments - Theory and Practice**

1741393, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

**Block (B)  
Blended (On-Site/Online)**

**Content**

The preservation and maintenance of historical monuments or monument ensembles is a task that is performed by specialized architectural firms, restorers and monument protection authorities. The seminar gives an insight into selected topics and questions. The focus is on the history and theory of monument preservation, the history of central European town houses, inventory, practical examples of monument preservation and old building renovation as well as legal considerations.

The seminar is to be offered as a compact course, the task of the seminar participants is to write a presentation or a term paper.

Dates will be set by arrangement.

First Meeting online: Thu 24.10.2024, 6 p.m.

Submission/Exam: presentation and paper due 31.03.2025

Number of Participants: 6

Focus of study: Architectural and Cultural Heritage

V

**History of Architecture/Urban Planning: Strasbourg/Strasbourg - Cultural Exchange between France and Germany. Aspects of Architectural and Urban Planning between 1830 and 1940** Seminar (S)  
Blended (On-Site/Online)

1741394, WS 24/25, 2 SWS, Language: German, [Open in study portal](#)

**Content**

As part of our block seminar with a one-day excursion to Strasbourg, for which there will be an introductory event (online) on Friday, 25.10.24 at 17:00, we want to deal with French and German projects on urban planning and architecture that were realized in the city with multiple changes of nationality between 1830 and 1940. Both the German and the French heritage form the special feature of Strasbourg as a crossroads of cultures.

Block seminar in Karlsruhe on 21./22.03.2025

Excursion to Strasbourg on 23.03.2025

Entrance fees for the Palais Rohan and the cathedral may apply.

Please make your own travel arrangements to Strasbourg.

Number of Participants: 3

Submission/Exam: presentation/essay 31.03.25

Focus of study: Architectural and Cultural Heritage

V

**Architecture in Film: History of Architecture/Urban Planning: Other Locations (Teil 2)** Seminar (S)  
On-Site

1741384, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

**Content**

*As a defining medium of modernity, film has portrayed and critically reflected on urban lifestyles and the associated architectures. Fiction has produced utopian and dystopian images and narratives of cities and architecture, which have ultimately had a major influence on the conception of real spaces and structures. The second edition of our film series focuses on the interactions of utopian, dystopian and heterotopian counterworlds. The selected movies address the ambivalence of utopian non-places and dystopian non-places and show their conflict-ridden interdependency. Each film screening will be followed by an open discussion round. The aim of the seminar is to open up new perspectives on architecture-related topics. The seminar will be credited for active participation in the preparation, moderation and follow-up of a film evening.*

Number of participants: 15 (6 Bachelor, 6 Master, 3 Art History), open to interested members of the public.

Film evenings: 5 double sessions in May and June

Focus of study: Architectural and Cultural Heritage

V

**History of Garden Art: History of Architecture/Urban Planning: Hamburg's Urban Greenery - a Historical Overview of the last 200 Years** Excursion (EXK)  
On-Site

1741385, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

**Content**

Our four-day block event (11-14.9.25) takes us to Hamburg. The palpable garden lust in the patrician gardens, designed for example by Joseph Ramée (1764-1842) in Blankenese, forms the starting point for the development of urban greenery. During the 19th century, the city's dismantled fortifications were remodelled into today's ramparts (Grosse Wallanlagen, Kleine Wallanlagen, Alter Botanischer Garten, Planten un Blumen). Garden exhibitions and IGAs (International Garden Exhibitions in 1953, 1963 and 1973) have been held here since the end of the 19th century. During the first quarter of the 20th century, the Hamburg Stadtpark and the Altonaer Volkspark were realised after extensive planning. Together with Heino Grunert (former garden monument conservator at the Ministry for Urban Development and the Environment), we will explore this history of the built environment. Admission to the parks is free; individual travel and overnight accommodation.

First Meeting: 25.04.25, 5pm (online)

Excursion: 11.-14.09.25

Submission/Exam: 30.09.2025

Number of Participants: 5 Bachelor/5 Master/2 Art History

Focus of study: Architectural and Cultural Heritage

V

### **History of Cultural Landscapes: History of Architecture/Urban Planning: Resources, Regulation, and Regional Planning: Perspectives on an Environmental History of Architecture in the Early Modern Era**

Seminar (S)  
On-Site

1741387, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

**Content**

Already in the 15th century, Nuremberg's *Stadtbaumeister* Endres Tucher covered complex environmental factors of urban planning in his *Baumeisterbuch*. Based on the principles of environmental history, the seminar will address the cultural interaction with nature through architecture in the Early Modern period. Topics include waste disposal, disaster prevention, the impact of material extraction, large-scale landscape transformations due to urban foundations, mining industry and canal construction. The aim of the seminar is to explore new perspectives on Early Modern architecture between impact on cultural landscape and interaction with the environment. This will be achieved through a collective analysis of heterogeneous source materials.

Submission/Exam: 30.09.2025

Number of Participants: 5 Bachelor/5 Master/5 Art History

Focus of study: Architectural and Cultural Heritage

V

### **Historical Building Research \_ Free Student Research Project**

Project (PRO)  
On-Site

1741390, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

**Content**

Die Kompetenz der Transformation im Spannungsfeld von erhalten und erneuern bewusst zu gestalten, verlangt methodisches Vorgehen innerhalb der unterschiedlichen Strategien, den Baubestand zu formen. Diese setzt eine grundlegende Erfassung, Analyse und Bewertung der vorhandenen Bausubstanz voraus. An einem frei gewählten Objekt wird anhand von Archivalien, Bestandsplänen, Aufmass und Veränderungsgeschichte analysiert und mit am Bestand orientierten Nutzungskonfigurationen weiterentwickelt.

1st meeting: Mon 05.05.2025, 2 pm

Appointments by arrangement

Examination/submission: Analysis, drawings and presentation of a topic, Multi-part term paper

Submission: 30.09.2025

Number of participants: 8 bachelor, 8 Master

Focus of study: Architectural and Cultural Heritage

V

### Selected Environmental History of Architecture: History of Architecture/Urban Planning: Case Study: Schlossgarten Karlsruhe

1741391, SS 2025, 2 SWS, Language: English, [Open in study portal](#)

Seminar (S)  
On-Site

#### Content

The Schlossgarten in Karlsruhe has been a critical piece of the city's infrastructure since its foundation, serving not only as an illustration of the state's power but also as an integral element of the built environment.

The seminar proposes to explore various components of the park and its history by employing architectural research and representation tools, as well as archival material and documentation. Through these methods, the aim is to uncover, analyze and communicate the intricate layers of overlapping infrastructure in the Schlossgarten, crafting an "urban biography" portraying the city's evolution.

Submission/Exam: presentation and paper due 30.09.2025

Number of participants: 6 BA, 6 MA, 6 Art History

Focus of study: Architectural and Cultural Heritage

V

### Applied Historical Building Research\_Exercise\_Summer School Bronnbach Monastery Block (B)

1741394, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

On-Site

#### Content

The ability to consciously shape the transformation in the field of tension between preservation and renewal requires a methodical approach within the various strategies for shaping the existing building stock. This requires a fundamental recording, analysis and evaluation of the existing building fabric. In the summer school, the hall garden of the monastery in Bronnbach will be analyzed as part of a one-week summer school in archives, as-built plans, measurements and the history of changes and further developed with configurations of use appropriate to the listed building.

**Registration not via Campus Plus. Please come to the 1st meeting.**

1st meeting: Mon 28.04.2025, 2 pm, Bldg. 20.40 room: 015

Mandatory excursion 21.-25.07.2025

Open for Bachelor, Master and Art History

Focus of study: Architectural and Cultural Heritage

T

**4.83 Course: Structural Analysis [T-ARCH-112499]**

**Responsible:** Dr. Anette Busse  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-106128 - Structural Analysis](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each term	1

**Competence Certificate**

Other examination requirements consisting of a term paper including a written and drawn component in accordance with the layout specifications, 10-15 pages DIN A 4.

**Prerequisites**

none

## T

## 4.84 Course: Sustainability [T-ARCH-108458]

**Responsible:** Prof.Dipl.-Ing. Dirk Hebel  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-104078 - Sustainability](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each summer term	1

Events					
ST 2025	1720606	<b>Research Seminar: Seaweed, hemp, autumn leaves – Future-oriented insulation materials for the building industry. A research seminar of the KIT Material Library.</b>	4 SWS	Seminar / 🗎	Hebel, Böhm
ST 2025	1720607	<b>Sustainability: EARTHopia - A week of loam construction in Addis Ababa</b>	4 SWS	Excursion (E / 🗎)	Hebel, Mamo
ST 2025	1720610	<b>Seminarweek: re:making architecture - look back and move forwards</b>	4 SWS	Excursion (E / 🗎)	Müller, Busse, Gerteiser
ST 2025	1720611	<b>Sustainability: Next Urban Explosion: Hopes of Coexistence - Africa</b>	4 SWS	Seminar / 🗎	Hebel, Mamo

Legend: 🗎 Online, 🗎 Blended (On-Site/Online), 🗎 On-Site, ✕ Cancelled

### Competence Certificate

Other examination requirements consisting of a written composition of a self-chosen topic within the framework of the seminar and in coordination with the examiner.

### Prerequisites

none

Below you will find excerpts from events related to this course:

## V

### Research Seminar: Seaweed, hemp, autumn leaves – Future-oriented insulation materials for the building industry. A research seminar of the KIT Material Library.

Seminar (S)  
On-Site

1720606, SS 2025, 4 SWS, Language: German, [Open in study portal](#)

### Content

The materials library houses conventional building materials as well as recyclable building materials made from secondary and renewable raw materials. The seminar focuses on biological insulation materials, which serve both - thermal insulation and summer heat protection. Against the backdrop of climate change and the resulting high relevance of an optimized building envelope, the opportunities and limitations of these insulation materials are examined.

Students will conduct independent and critical research on selected insulation materials, aiming to present sustainable alternatives based on detailed data sheets and physical material samples. The seminar will be accompanied by supervision, workshops, lectures, and excursions.

First Meeting: April 22, 2025

Regular Meeting: Tuesdays, 11.30 - 13.00

Submission/Exam: July 22, 2025

Focus of study: Building Technology

Smaller excursions will take place in the Karlsruhe area.

## V

### Sustainability: EARTHopia - A week of loam construction in Addis Ababa

Excursion (EXK)  
On-Site

1720607, SS 2025, 4 SWS, Language: German/English, [Open in study portal](#)

**Content**

We travel to Addis Ababa, the capital of Ethiopia. While modern architecture dominates the cities, the rural areas are traditionally characterized by "tukuls" - round, simple loam houses. A contemporary reinterpretation of this construction method is being developed as part of the Building Week: The "Tukul 2.0" combines the traditional architecture of Ethiopia with rammed earth technologies known in Europe. In collaboration with students from the School of Built Environment (formerly EiABC) at Addis Ababa University, prototypes will be created that enable a more robust, durable and yet simple construction method. The focus is on the intercultural exchange of knowledge between Ethiopian and German students.

First orientation meeting: 7 May 2025, 3:00 PM, Bldg. 11.40 Room 26

Excursion one week in the period 28.09.25 to 12.10.2025

**Seminarweek: re:making architecture - look back and move forwards**

1720610, SS 2025, 4 SWS, Language: English, [Open in study portal](#)

**Excursion (EXK)  
On-Site**

**Content**

In a small village of eight abandoned and partially dilapidated stone houses in the forests of Piemont, northern Italy, we participate in their reconstruction and thus familiarize ourselves with traditional stone architecture. We will work hands-on with locally available materials and old building techniques using stone masonry and the application of thermal plasters made of lime and hemp. We gain theoretical knowledge of local architectural history and building culture e.g. by visiting a local restoration site.

1st meeting: Tue, 6.5.25, 15:30h

Excursion: Tue, 10.6. - Fri, 13.6.25

Costs: approx. 350€ incl. meals

Arrival: Self-organization

Accommodation: Campsites available on site. Self-booking for other accommodation.

Type of event: Hands-on workshop

Protective equipment: obligatory&self-organized (safety shoes, gloves, safety goggles)

**Sustainability: Next Urban Explosion: Hopes of Coexistence - Africa**

1720611, SS 2025, 4 SWS, Language: English, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

Cities are spaces of complex co-existence. Be it among ourselves or with the multiplicities of elements of nature, the question of co-existence is increasingly challenged by our collective actions. In our experiment to find a hopeful and sustainable way of coexistence, the continent of Africa offers a vast space of enquiry. In just 25 years, close to a billion additional people are expected to claim the hope that urban living offers in Africa. Such a mass of need creates a vast opportunity to reimagine new forms of urbanism.

Recognizing the vastness and multidimensionality of Africa, the seminar will be a space of optimistic speculations on urban futures - a thought experiment based on discussions and projective exercises. By interrogating the practices of Architecture and Urban Design - through selected projects in Africa, the seminar also aims to sketch a Framework-of-Engagement that can help to ensure the relevance of architecture in the production of Hopeful-Urban-Futures.

First Meeting: 22.04.2025, Bld. 11.40 Room 26

Regular Meeting: Tuesdays, 14.00 PM - 15.30 PM

Submission/Exam: 22.07.2025

Focus of study: Urban Design

## T

## 4.85 Course: Theory of Architecture [T-ARCH-107367]

**Responsible:** Prof. Dr. Anna-Maria Meister  
**Organisation:** KIT Department of Architecture  
**Part of:** M-ARCH-103625 - Theory of Architecture

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each term	1

Events					
WT 24/25	1710407	Architectural Theory: Rhein: Industrie/Kultur/Landschaft	2 SWS	Seminar / 🌀	Fankhänel, Wilkinson
WT 24/25	1710409	Theory of Architecture: Living Archive!	4 SWS	Seminar / 🌀	Gurgenidze
WT 24/25	1710410	Architectural Theory: Exhibit A(rchitecture). Exhibitions that have shaped architecture	4 SWS	Seminar / 🌀	Fankhänel
WT 24/25	1710411	Architectural Theory/Research Seminar: Reading Beyond the Buildings	2 SWS	Seminar / 🌀	Fankhänel, Knoop
WT 24/25	1710413	Architectural Theory: Can machines be intelligent? Theories of born-digital design in architecture	2 SWS	Seminar / 🌀	Fankhänel
WT 24/25	1710414	Architectural Theory/Research Seminar: Criticising Architecture	2 SWS	Seminar / 🌀	Fankhänel, Wilkinson
ST 2025	1710407	Architectural Theory: Modern Servants	2 SWS	Seminar / 🌐	Fankhänel, Wilkinson
ST 2025	1710408	Architekturtheorie: Design in Action: Fellow Travellers	1 SWS	/ 🌐	Fankhänel, Knoop
ST 2025	1710411	Theory of Architecture: Protests and Common Spaces	2 SWS	Seminar / 🌐	Fankhänel
ST 2025	1710413	Architectural Theory: Architecture's Scales: Methods	2 SWS	Seminar / 🌀	Meister
ST 2025	1710414	Architectural Theory: Archive Gossip	2 SWS	Seminar / 🌐	Fankhänel, Brückner-Amin
ST 2025	1710417	Theory of Architecture: Phrases and Buildings: Toward an Atlas of AI		Seminar / 🌐	Fankhänel

Legend: 🌐 Online, 🌀 Blended (On-Site/Online), 🌐 On-Site, ✕ Cancelled

### Competence Certificate

Other examination requirements consisting of the active participation in class (oral and written discussion contributions as well as oral presentations) as well as a study assignment whose scope and form depends on the respective task set.

### Prerequisites

none

Below you will find excerpts from events related to this course:

## V

### Architectural Theory: Rhein: Industrie/Kultur/Landschaft

1710407, WS 24/25, 2 SWS, Language: English, [Open in study portal](#)

Seminar (S)  
Blended (On-Site/Online)

**Content**

The Rhein is one of Europe's most important rivers, a vital economic route transporting people and goods between major cities, a geographical feature joining and dividing the continent– and the world. It is also a cultural landscape that played a central role in the development of the modern German identity. However, the modern river is hardly natural at all, thanks to canalisation – it is, in effect, one of the world's biggest infrastructure projects. Since the industrial revolution, it has also suffered from serious pollution, and now climate change threatens to render it unnavigable. In this research seminar we will visit key sites and read texts from poets, designers, philosophers, and geographers, using the Rhein and its architecture to explore bigger questions about nature and design, economics and culture.

Focus of study: Architectural and Cultural Heritage

4 x Friday 9:45am-1:00pm/ 2 x day trips, also on Fridays

Seminar 1 & 2 (25.10); Seminar 3 & 4 (1.11) (online)

Seminar 5 & 6 Basel (22.11); Seminar 7 & 8 (6.12)

Seminar 9 & 10 Mannheim (20.12); Seminar 11 & 12 (17.01)Thu., 30.01.24,5:00-8:00pm, Final event at the Architekturschaufenster: AT goes A SF

Number of Participants: 8

**Theory of Architecture: Living Archive!**

1710409, WS 24/25, 4 SWS, Language: German/English, [Open in study portal](#)

**Seminar (S)**  
**Blended (On-Site/Online)**

**Content**

This course explores the transformation of the Panel Block Housing in the transition period from a planned to a market economy in post-Soviet Georgia, primarily from the late 1990s to the early 2000s. The emergence of new architectural elements within post-Soviet contexts is a compelling area for investigation. This involves documenting a 'living archive' by visualizing and analyzing the various typologies of these transformed spaces. Of note are the existing typologies of self-built structures, like balconies, ground floors, extensions, and garages, to mention a few, which serve as a tangible record of the architectural evolution of the period for professionals.

The planned course aims to meticulously research the "living archive" and analyze and document them.

Focus of study: Architectural and Cultural Heritage

3 x Fridays 2:00-5:15 pm / 3 x Fridays 2:00-5:15 pm (online)

Seminar 1 & 2 (25.10); Seminar 3 & 4 (8.11)

Seminar 5 & 6 (22.11) online; Seminar 7 & 8 (13.12)

Seminar 9 & 10 (20.12) online; Seminar 11 & 12(11.01) online

Thu., 30.01.24, 17:00-20:00h, Final event at the Architekturschaufenster: AT goes A SF

**Architectural Theory: Exhibit A(rchitecture). Exhibitions that have shaped architecture**

1710410, WS 24/25, 4 SWS, Language: English, [Open in study portal](#)

**Seminar (S)**  
**Blended (On-Site/Online)**

**Content**

Theory doesn't always come in the form of written manifestoes or books. Often ideas are transmitted through other media such as buildings, photos or exhibitions. Deciphering their critical influence on architectural culture is a key skill in any architect's tool kit.

Architecture exhibitions have a profound influence on the way we negotiate the built environment. While some have been credited with initiating whole movements (International Style, MoMA, 1932 or Venice Biennale, 1980) others have secured a lasting legacy for individual architects by inscribing them into the canon of great architecture.

This seminar unpacks a select number of exhibitions that have shaped architecture's relationship to styles and fashions, technological advances, the relationship of humans to nature, nationality, culture and globalization, the individual's place in society, and our relationship to history.

Introduction: Wed., 23.10.2024, 11:30am -1:00pm

Last date: Thu., 30.01.24, 5:00-8:00pm, Final event at the Architekturschaufenster: AT goes A SF

Number of Participants: 8

**Architectural Theory/Research Seminar: Reading Beyond the Buildings**

1710411, WS 24/25, 2 SWS, Language: German/English, [Open in study portal](#)

**Seminar (S)**  
**Blended (On-Site/Online)**

**Content**

Architecture and urban space are part of an infrastructure for political participation and legal citizenship, such as through the organisation and aesthetic impact of public space and cultural and political institutions. After the Second World War, the discipline of architecture was given the task by the United Nations of not only solving housing problems, but also having an impact on international relations. This also marked the beginning of an examination of architectural spaces of colonialism, human rights violations or discrimination. How was and is the discipline involved or responsible? What positions does it adopt today? In this research seminar, we want to read, discuss and research 'beyond the buildings' based on texts from architectural theory, political science and post-colonial studies.

Focus of study: Architectural and Cultural Heritage / the texts to be edited will be in English

Monday 2-5:15 pm in person/online 14daily

Intro: Monday 21.10.24

Workshop 1: Monday 4.11.24

Workshop 2: Monday 9.12.24

Workshop 3: Monday 27.01.25

Final Event: 30.01.25, at the Architekturschaufenster: AT goes A SF

Number of Participants: 8

V

### **Architectural Theory: Can machines be intelligent? Theories of born-digital design in architecture**

1710413, WS 24/25, 2 SWS, Language: English, [Open in study portal](#)

**Seminar (S)  
Blended (On-Site/Online)**

**Content**

Where is architectural design headed in a rapidly changing age of proprietary software empires, artificial intelligence, and virtuality? This seminar pulls back the curtain on the origins of today's born-digital design philosophies and their influence on architectural thinking: from participatory design and intelligent computational design assistants to an expanded field of generative geometries to the emergence of web-based interactive platforms. Key texts and select case studies from the 60s until today examine the influence that software, computers and the internet have on the design of architecture, and architectural thinking in society at large.

Introduction: Fri., 25.10.2024, 09:45am - 11:15am

Last date: Thu., 30.01.24, 5:00-8:00pm, Final event at the Architekturschaufenster: AT goes A SF

V

### **Architectural Theory/Research Seminar: Criticising Architecture**

1710414, WS 24/25, 2 SWS, Language: English, [Open in study portal](#)

**Seminar (S)  
Blended (On-Site/Online)**

**Content**

In this research seminar we will consider the role of criticism in architecture: what it means to be critical, how criticism functions as a professional practice, what relationship criticism has to design, and what criticism can do today. We will read and analyse some key examples, as well as some theoretical reflections on the form, and then produce a short piece of criticism ourselves.

Focus of study: Architectural and Cultural Heritage

4 x 90 min seminars Fridays 2:00-3:30pm

1: 25.10.24

2: 01.11.24 (online)

3: 06.12.24

4: 17.01.25

Thu 30.01.24, 5:00-8:00pm, Final event at the Architekturschaufenster: AT goes A SF

Number of Participants: 20

V

### **Architectural Theory: Modern Servants**

1710407, SS 2025, 2 SWS, Language: English, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

Modernist homes have often been presented as machines for living, in which new technology alleviates tedious housework. In fact they were run by servants, who were allocated concealed spaces within these buildings – a situation that continues today in many countries. Thinking about these spaces, and their historical roots in feudalism, patriarchy and slavery, allows us to ask intersectional questions about the labour that sustains modernist architecture, and about the illusions and contradictions of modernity itself.

Focus of study: Architectural and Cultural Heritage

The seminars and lectures will take place 6 times Fri 11.30-13.00 & 6 times Fri 14.00-15.30.  
Thu 17.07. 18.00-20.00 Mandatory final event at the Architekturschaufenster: AT goes A SF

**Architekturtheorie: Design in Action: Fellow Travellers**

1710408, SS 2025, 1 SWS, Language: German, [Open in study portal](#)

**On-Site****Content**

In previous courses, we have worked intensively on analysing crises and challenges - now our focus is turning towards solutions! With Design in Action, we examine concrete approaches to social change, inspired by cultural theories (including Bruno Latour) and the "Fellow Travellers" exhibition at the ZKM.

The exhibition shows how artists, scientists and communities around the world are trying out new ways of living together. It is not just about criticism, but about action: about networks beyond traditional centres of power, about projects that actively shape the environment and society.

The free study work consists of two discussion sessions and two joint museum visits, during which each student looks at an object in depth.

Focus of study: Architectural and Cultural Heritage

The course will take place 2 times Thu 17.30-19.00 (24.04. & 15.05. AT seminar room) and 2 times Fri 14.00-15.30 (25.04. & 16.05. ZKM).

Thu 17.07. 18.00-20.00 Mandatory final event at the Architekturschaufenster: AT goes A SF

**Theory of Architecture: Protests and Common Spaces**

1710411, SS 2025, 2 SWS, Language: English, [Open in study portal](#)

**Seminar (S)  
On-Site****Content**

Recent waves of public protests around the world have not only reshaped political discourse, but also changed the physical and social landscapes of urban spaces and the way we perceive them. This seminar explores the phenomenon of protest architecture and its role in reclaiming urban spaces as platforms for solidarity, dialogue and collective action. We will examine protest sites with temporary structures, including makeshift shelters, communal kitchens and spontaneous performance spaces. These spaces are examined for their potential to challenge neoliberal urban fragmentation and privatization, and the analysis is supported by a review of the ongoing protests in Tbilisi, Georgia and past protests in the last decades like Gezi Park in Istanbul, Tahrir Square in Cairo and Maidan in Kyiv.

Gastrednerin: Tinatin Gurgenzidze

Focus of study: Architectural and Cultural Heritage

The course will take place 6 times.

Thu 17.07. 18.00-20.00 Mandatory final event at the Architekturschaufenster: AT goes A SF

Fri 25.04 - 11.00-14.00 (Introduction)

Thu 15.05 - 14.00-17.00

Fri 16.05 - 11.00-14.00

Thu 12.06 - 14.00-17.00

Fri 13.06 - 11.00-14.00

Fri 04.07 - 11.00-14.00

**Architectural Theory: Architecture's Scales: Methods**

1710413, SS 2025, 2 SWS, Language: English, [Open in study portal](#)

**Seminar (S)  
Blended (On-Site/Online)**

**Content**

While archival work provides the foundation for historical analysis, writing histories is the work of interpretation. How we write affects stories and narratives as much as what we write about. How is one to find and to interpret an “archive”? How does one add these missing stories, when conventional methods have failed to account for them? In this class, we will examine six methodologies: postcolonial studies; queer and feminist studies; alter-stories and new materialism; global histories and their critical revisions; geomeia studies; oral history and critical fabulation. Meeting in six double sessions, we will discuss texts that employ one of these methods, followed by an evening lecture and discussion with their authors. The seminar is taught in hybrid format collaboration with Prof. Dr. Alla Vronskaya, Kassel University and the Kunsthistorisches Institut in Florenz - Max Planck Institute. It is open to Bachelor, Master, and doctoral students.

Focus of study: Architectural and Cultural Heritage

Die Veranstaltung findet 6x Fr 10.00-11.30 und 6x Mo 18.30-20.00 (teils online) statt, genaue Termine werden noch bekanntgegeben.

Do 17.07. 17.00-20.00 Abschlussveranstaltung im Architekturschaufenster: AT goes A SF

**Architectural Theory: Archive Gossip**

1710414, SS 2025, 2 SWS, Language: German, [Open in study portal](#)

**Seminar (S)**  
**On-Site**

**Content**

In search of “Archive Gossip,” we explore the saai archive. On the basis of selected materials, we dedicate ourselves to little-explored stories and protagonists. The result includes the production of a podcast episode. We question the critical potential of gossip: Fragmented sources are constructed as stories only with a little speculation, but how do we deal with these gaps in knowledge?

To tackle this, we read texts about the archive as a place of knowledge construction to understand how information is stored in things and how it can be read out again. We want to ask productive questions of archival materials and architectural media and, building on that, tell exciting and accessible stories.

Focus of study: Architectural and Cultural Heritage

The course will take place 4 times Wed 11.30-13.00.

Thu 17.07. 18.00-20.00 Mandatory final event at the Architekturschaufenster: AT goes A SF

**Theory of Architecture: Phrases and Buildings: Toward an Atlas of AI**

1710417, SS 2025, SWS, Language: English, [Open in study portal](#)

**Seminar (S)**  
**On-Site**

**Content**

With Large Language Models (LLMs) computers have learned to mimic human speech. Unlike in humans such learning only happens with the help of preexisting vast collections of processable data, be it in the form textual sources or images, that allow an extrapolation of similarities and conventions. To draw meaning from such databases of precedents—to learn—machines employ techniques created by humans. Ordering systems such as tags, lists and comparisons are inherently governed by the use of language, from metadata to automatically derived alt texts.

This workshop seminar, held in conjunction with the preparation of the exhibition “City in the Cloud, Data on the Ground” at the Munich Architecture Museum, opening October 2025, will explore the role of human language as a descriptor in architecture.

Wed 9.45-11.15 / 23.4. introduction

Thu 17.07. 18.00-20.00 Mandatory final event at the Architekturschaufenster: AT goes A SF

## T

**4.86 Course: Timber Structures: Materials and Appropriate Design [T-ARCH-113853]****Responsible:** Prof. Dr.-Ing. Riccardo La Magna**Organisation:** KIT Department of Architecture**Part of:** [M-ARCH-106916 - Timber Structures: Materials and Appropriate Design](#)

Type	Credits	Grading scale	Recurrence	Expansion	Version
Oral examination	4	Grade to a third	Each winter term	1 terms	1

Events					
WT 24/25	6213904	<a href="#">Timber Structures: Materials and Appropriate Design</a>	4 SWS	Lecture / Practice ( / 🗣️)	Sandhaas, Frese, La Magna, Kuck, Müller

Legend: 📺 Online, 🔄 Blended (On-Site/Online), 🗣️ On-Site, ✖ Canceled

**Competence Certificate**

Oral examination lasting approx. 30 minutes

*Below you will find excerpts from events related to this course:*

## V

**Timber Structures: Materials and Appropriate Design**6213904, WS 24/25, 4 SWS, Language: German, [Open in study portal](#)**Lecture / Practice (VÜ)  
On-Site****Content**

The interdisciplinary seminar "Timber Structures: Materials and Appropriate Design" covers the building material wood, the derived construction products, and their appropriate application. It addresses issues in timber construction and their backgrounds (hygroscopicity, anisotropy, heterogeneity, biological properties) and derives methods for developing robust and reliable timber construction details in practice.

Furthermore, it discusses typical load-bearing structures in timber construction, their load-bearing mechanisms, the necessary construction and connection elements, and their advantages and disadvantages. This includes examining various damage scenarios and their causes to prevent such damage in the future and to design durable constructions.

This seminar serves in addition as preparation for the interdisciplinary design seminar "Interdisciplinary Structural Development in Timber Construction," which is offered in the summer semester.

1st meeting: 25.10.2024; 2:00 p.m.

Rule date: Friday 2:00 p.m. – 5:15 p.m.

Delivery/Examination: after announcement!

Number of participants: unlimited

**Organizational issues**

Diese Veranstaltung ist auch für Studierende der Architektur am KIT offen. Die Inhalte der mündlichen Prüfung werden für diese angepasst (= 4 ECTS).

## T

## 4.87 Course: Urban Design and Housing [T-ARCH-111167]

**Responsible:** Prof. Christian Inderbitzin  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-105563 - Urban Design and Housing](#)

Type	Credits	Grading scale	Recurrence	Expansion	Version
Examination of another type	4	Grade to a third	Each term	1 terms	1

Events					
WT 24/25	1731280	<a href="#">Urban Design and Housing: Exhibition Hübsche Pflanzenhäuser</a>	2 SWS	Seminar / 🗣️	Inderbitzin, Schork, von Zepelin
ST 2025	1731282	<a href="#">Stadt und Wohnen: Architecture of Living</a>	2 SWS	Seminar / 🔄	Inderbitzin, Schork, von Zepelin

Legend: 📺 Online, 🔄 Blended (On-Site/Online), 🗣️ On-Site, ✕ Cancelled

Below you will find excerpts from events related to this course:

## V

**Urban Design and Housing: Exhibition Hübsche Pflanzenhäuser**

1731280, WS 24/25, 2 SWS, Language: German/English, [Open in study portal](#)

**Seminar (S)  
On-Site**

**Content**

The focus of the seminar is an exhibition planned by the Faculty of Architecture for 2025 on the occasion of the bicentenary existence of the KIT. The contribution of the chair Stadt und Wohnen to the exhibition deals with the architectural and cultural history of Heinrich Hübsch's greenhouses and the botanical gardens at the Schloss. On this basis, we trace the territorial and ideological-historical networks of the complex. Together with the other contributions, a picture of the city of Karlsruhe will emerge. The materials and knowledge of the Studio Konstruierte Naturen form the basis. In addition to the content-related work, we will develop the specific curation. The resulting content will include a film about the greenhouses and their staff, as well as various models.

In collaboration with the Chair of Building and Architectural History and other participating professorships working on buildings in Karlsruhe for the exhibition.

Appointment: Wed, 3:45 - 5:15 pm, Bldg. 11.40, R 115, Presence

Submission/Exam: to be announced

Number of Participants: 15

## V

**Stadt und Wohnen: Architecture of Living**

1731282, SS 2025, 2 SWS, Language: German/English, [Open in study portal](#)

**Seminar (S)  
Blended (On-Site/Online)**

**Content**

In the *Architecture of Living* seminar, we want to do basic research on the spatial, constructional and social characteristics that characterize and change the spaces in which we live. The analyses will not only be used for a typological classification based on floor plans, but will also explicitly explore unusual places and elements within selected apartments or houses. By analyzing specific situations, such as the way a door is opened and closed, we want to discuss what makes a good apartment and how this can be described. How do construction, building methods and materials influence spatial contexts?

Appointment: to be announced

Bldg. 11.40, R 115, Presence

Submission/Exam: to be announced

Number of Participants: 15

Team: Christian Inderbitzin, Maximilian von Zepelin

T

**4.88 Course: Urban Design Specialization [T-ARCH-111328]**

**Responsible:** Studiendekan/in Architektur  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-105671 - Urban Design Project](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	2	Grade to a third	Each term	1

Events					
WT 24/25	1731061	<a href="#">Advanced Urban Design Project Studies: Repertoire Residential Typologies (Neppl)</a>	1 SWS	/ 🗣️	Neppl, Krüger, Hetey
WT 24/25	1731161	<a href="#">Advanced Urban Design Project Studies (Engel): Mapping the Urban Landscape of Pristina</a>	1 SWS	/ 🗣️	Engel, Lev, Song
WT 24/25	1731211	<a href="#">Advanced Urban Design Project Studies (Bava)</a>	1 SWS	/ 🗣️	Bava, Ehmann, Seitz
ST 2025	1731061	<a href="#">Advanced Urban Design Project Studies: The Chandigarh Challenge: Research, Analytics and Publication (Neppl)</a>	1 SWS	/ 🗣️	Neppl, Giralt
ST 2025	1731161	<a href="#">Advanced Urban Design Project Studies (Engel): Instruments of Water-Sensitive Urban Planning</a>	2 SWS	Seminar / 🗣️	Engel, Kannen
ST 2025	1731211	<a href="#">Advanced Urban Design Project Studies: Think Garden (Schifferli)</a>	1 SWS	/ 🗣️	Schifferli, Zuber

Legend: 🗣️ Online, 🗣️📺 Blended (On-Site/Online), 🗣️ On-Site, ✕ Cancelled

**Competence Certificate**

Other examination requirements consisting of performance during the semester for theoretical or practical consolidation of the design topic, as a rule, of a project work with drawings whose scope depends on the respective task assigned or of an oral talk of approx. 15 minutes duration and a written paper on it encompassing approx. 20 pages or an equivalent assessment which has to be coordinated with the examiner.

**Workload**

60 hours

Below you will find excerpts from events related to this course:

V

**Advanced Urban Design Project Studies: Repertoire Residential Typologies (Neppl)**1731061, WS 24/25, 1 SWS, Language: German, [Open in study portal](#)**On-Site****Content**

The framework development plan Dietenbach developed diverse building typologies to enable a broad spectrum of different developments and to ensure an even distribution of subsidised housing in the entire neighbourhood.

In the advanced design course each group will analyse an existing neighbourhood and examine different typologies in detail. The results will be presented to the entire course in a short presentation. The goal is to develop an extensive repertoire of residential typologies that can be used in the design course.

The course can only be chosen in connection with the corresponding urban design course and is mandatory for it.

Dates: Thu, 2:00 p.m.-3:30 p.m. 11.40, EG, R015

Exam: 20.02.2025

V

**Advanced Urban Design Project Studies (Engel): Mapping the Urban Landscape of Pristina**1731161, WS 24/25, 1 SWS, Language: English, [Open in study portal](#)**On-Site**

**Content**

Pristina faces many challenging urban issues: Uncontrolled construction activity, a growing housing shortage, an increase in social inequality, a deficit in green spaces, and the congestion of the transport infrastructure all characterize the capital of Kosovo. A lack of governance structures and weak institutions encourage corruption and illegal developments. Against this backdrop, we will research and analyze selected aspects in our in-depth study with the aim to critically evaluate and visualize Pristina's urban landscape through maps to support the work of the urban design studio. The results will be published in the form of an atlas.

Appointment: Thu

First Meeting: Thu 24.10.2024, 14:00, 11.40 R013

Submission/Exam: Thu 19.12.2024

Form: Teamwork (2)

Number of Participants: 15+2 (BA/MA)

The course can only be chosen in combination with the related design *Matiçan / Pristina. Transform for Resilience (Engel)* and is obligatory for it.

V

**Advanced Urban Design Project Studies (Bava)**

1731211, WS 24/25, 1 SWS, Language: German, [Open in study portal](#)

On-Site

**Content**

Attending the course is only possible for participants of the corresponding design project LV 1731210.

Appointment: Thu 9:00AM - 5:15 PM, 11.40, R126

V

**Advanced Urban Design Project Studies: The Chandigarh Challenge: Research, Analytics and Publication (Neppl)**

1731061, SS 2025, 1 SWS, Language: German/English, [Open in study portal](#)

On-Site

**Content**

As an extension of the urban design studio "The Chandigarh Challenge: Balancing Cultural Heritage and Future Urban Development", we are accompanying the project with additional research into the origins of Chandigarh and the pioneering work of Le Corbusier, his cousin Pierre Jeanneret, the British architects Maxwell Fry and Jane Drew ('tropical architecture') and the Indian modernists involved, such as Aditya Prakash and Anant Prabhawalkar.

In parallel to research into the architectural history of this prime example of a modernist planned city, the urban structure of Chandigarh will be analysed graphically and subsequently presented in various thematic maps and scales.

The event can only be chosen in connection with the corresponding urban design project "The Chandigarh Challenge: Balancing Cultural Heritage and Future Urban Development" and is mandatory for it.

Appointment: Thu, 2:00 pm, Bldg. 11.40, EG, R015 (the dates will be announced during the seminar)

Exam: 07.08.2025

V

**Advanced Urban Design Project Studies (Engel): Instruments of Water-Sensitive Urban Planning**

1731161, SS 2025, 2 SWS, Language: German/English, [Open in study portal](#)

Seminar (S)  
On-Site

**Content**

In this deepening course, strategies and design approaches for water-sensitive and water-resilient urban development will be critically examined and evaluated using national and international case studies. This includes solutions for rainwater management, rainwater utilization and green infrastructures as well as planning strategies, governance structures and the processes of decision-making and citizen participation. How can integrated sustainable and resilient blue-green infrastructures contribute to the transformation and further development of the productive city? The analyses developed provide an important basis for the design work.

Appointments: Thu 14:00-16:00 pm, 11.40 R 013

First meeting: Thu 24.04.2025, 10:00 am, 11.40 R013

Submission/Exam: Thu

Form: Teamwork

The course can only be chosen in conjunction with the corresponding design (Blue-Green Transformation. Reimagining Spinning Mill Area in Ettlingen. (Engel)) and is mandatory for this course.

**V****Advanced Urban Design Project Studies: Think Garden (Schifferli)**

1731211, SS 2025, 1 SWS, Language: German/English, [Open in study portal](#)

**On-Site****Content**

This course can only be chosen in conjunction with the related course Urban Planning "Think Garden" and is compulsory for this course.

T

**4.89 Course: Urban Energy [T-ARCH-107410]**

**Responsible:** Prof. Markus Nepl  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-103669 - Urban Energy](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each winter term	1

T

**4.90 Course: Urban Typologies [T-ARCH-107374]**

**Responsible:** Prof. Markus Nepl  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-103632 - Urban Typologies](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each summer term	1

Events					
ST 2025	1731097	<a href="#">Urban Typologies: Architecture Journalism Workshop: We Write About Architecture</a>	4 SWS	Seminar / 	Coenen

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

**Competence Certificate**

Other examination requirements consisting of an oral presentation of the work results (duration approx. 15 minutes).

**Prerequisites**

none

Below you will find excerpts from events related to this course:

V

**Urban Typologies: Architecture Journalism Workshop: We Write About Architecture** Seminar (S)  
 1731097, SS 2025, 4 SWS, Language: German, [Open in study portal](#) **On-Site**
**Content**

The seminar provides information on the basics and practice of architectural journalism.

The seminar participants work as architectural journalists. They research on site under supervision and write articles about architecture, urban planning and monument preservation.

Journalistic forms of presentation such as criticism, interview, commentary and reportage are practised. Excursions within Karlsruhe as well as to Baden-Baden and Ettlingen are offered for the research.

No previous knowledge is necessary. The best texts will be published in an online specialised magazine.

Translated with DeepL.com (free version)

Dates: <https://www.ulrichcoenen.de/SS25.htm>

First Meeting: 22.04.2025, 5:30 pm, Bldg.11.40, R015

Excursions: 20.05., 03.06., 21.06. and 01.07.2025

Submission/Exam: 15.08.2023

Number of Participants: 10

Focus of study: Urban Design

## T

## 4.91 Course: Virtual Engineering [T-ARCH-107360]

**Responsible:** Prof. Dr.-Ing. Petra von Both  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-103618 - Virtual Engineering](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each summer term	1

Events					
WT 24/25	1720704	<a href="#">Virtual Engineering: Modern Tools for BIM - Basics</a>	2 SWS	Seminar / 	von Both, Schöner, Sartorius, Koch
ST 2025	1720704	<a href="#">Virtual Engineering: How to BIM</a>	4 SWS	Lecture / Practice ( / 	von Both, Sartorius, Schöner

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

**Competence Certificate**

The main focus of the other examination requirement is producing a digital model, its written/drawn composition and the digital documentation. In addition, a 15-minute presentation and a discussion of the results takes place.

**Prerequisites**

none

Below you will find excerpts from events related to this course:

## V

**Virtual Engineering: Modern Tools for BIM - Basics**

1720704, WS 24/25, 2 SWS, Language: German/English, [Open in study portal](#)

**Seminar (S)  
Blended (On-Site/Online)**

**Content**

Five good reasons for architects to prepare their plans not only in 3D but also BIM-compliant: Saving time when drawing, avoiding errors, transparency in planning, being able to import building plans across programs and fast rendering.

The current software is multidimensional and comes with many tools that minimize hard work and simplify communication with project participants.

The seminar provides an introduction to the current version of ARCHICAD. The course covers the basics of modeling, how to use the modeling tools, how to control the display type of individual drawings, plan design and the basic requirements for working with BIM. The seminar takes place online. Previous knowledge is not necessary.

**Prerequisites for participation are:**

An internet connection for the entire duration of the seminar. An MS Teams university account. The current version of ARCHICAD.

**Schedule:** Weekly 1.5-hour lecture with exercises. Weekly supervision offer.

**Submission:** Exercise project file as \*.pla, one plan as \*.pdf

Two-week submission of CAD data, the work will be supervised and corrected.

Examination of a different kind: Planning elaboration (CAD file, PDF)

**Weekly Appointments:**

**Regular (online):** Mondays 11:30 am - 13:00 pm, online, MS Teams

**Powerwork in Presence, Seminar Room "Grüne Grotte":**

Mo 16.12.2024, 11:30 am -13:00 pm and Mo 03.02.2025, 11:30 am -13:00 pm

Supervision (online) by arrangement

**First Appointment:** Monday 10/21/2024, 11:30 am - 13:00 pm, Seminar Room of the BLM- Institute

**Examination Date:** Tuesday 03/04/2025, online

## V

**Virtual Engineering: How to BIM**

1720704, SS 2025, 4 SWS, Language: German/English, [Open in study portal](#)

**Lecture / Practice (VÜ)  
Blended (On-Site/Online)**

**Content**

Five key reasons why Architects should not only design in 3D but also work in a BIM-compliant manner are:

1. Time savings in drafting,
2. Error prevention,
3. Transparency in planning,
4. Cross-software and interdisciplinary accessibility of building data,
5. Simplifying communication with project participants.

This course offers a practical introduction with additional theoretical content on BIM methodology. It starts with a prepared 3D model (as of service phase 2). In the course of the semester, this model will be further developed in a BIM-compliant manner up to service phase 6. Weekly assignments ensure a continuous deepening of the content and enable a structured, practice-oriented learning approach.

**Prerequisites for Participation are:** Prior knowledge of ArchiCAD. An internet connection for the entire duration of the seminar. An MS Teams Uni account. The current version of ARCHICAD.

**The course Schedule:** Weekly 1.5h online lectures and subsequent 1.5h exercises; two mandatory 'Power-Work' sessions: 19 May 2025, 23 June 2025 (during regular lecture times)

Seminars + Exercises: Seminars are given in German, and Supervision can take place in English and German.

**First Meeting:** Mo 28.04.2025, 11:30 a.m -13:00 p.m., Grüne Grotte

**Appointments:** (online): Mo 09:45 a.m.-11:15 a.m., Exercise Session 11:30 a.m.-13:00 p.m.

**Mandatory 'Power-Work' Sessions in Presence:** Monday, 19.05. 2025 and Monday. 23.06.2025, during regular lecture times, the place will be communicated

**Submission/Exam:** Di 11.08.2025

**Number of Participants:** 10

## T

**4.92 Course: Visit Lecture Series Master [T-ARCH-109978]**

**Responsible:** Studiendekan/in Architektur  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-105682 - Key Qualifications](#)

Type	Credits	Grading scale	Recurrence	Version
Completed coursework	1	pass/fail	Each term	1

Events					
WT 24/25	1700000	<a href="#">Karlsruhe Architecture Lectures</a>		/ 	Engel
ST 2025	1700000	<a href="#">Karlsruher Architekturvorträge "Skizzenwerk"</a>		/ 	Engel

Legend:  Online,  Blended (On-Site/Online),  On-Site,  Cancelled

**Workload**

30 hours

Below you will find excerpts from events related to this course:

## V

**Karlsruhe Architecture Lectures**

1700000, WS 24/25, SWS, Language: German/English, [Open in study portal](#)

**On-Site****Content**

Attendance of at least 15 lectures of the event series "Karlsruher Architektur-vorträge", "Vortragsreihe Kunstgeschichte", or "Baugeschichtliches Kolloquium" of the KIT Faculty of Architecture can be recognized with a credit point in the module Key Qualifications.

Date: Wed, from 7 pm, 20.40, Fritz-Haller-Hörsaal

For dates and program see homepage of the KIT Faculty:

<https://www.arch.kit.edu/architekturvortraege.php>

## V

**Karlsruher Architekturvorträge "Skizzenwerk"**

1700000, SS 2025, SWS, Language: German/English, [Open in study portal](#)

**On-Site****Content**

Attendance of at least 15 lectures of the event series "Karlsruher Architektur-vorträge", "Vortragsreihe Kunstgeschichte", or "Baugeschichtliches Kolloquium" of the KIT Faculty of Architecture can be recognized with a credit point in the module Key Qualifications. For dates and program see homepage of the KIT Faculty.

T

**4.93 Course: Wildcard [T-ARCH-107420]****Organisation:** KIT Department of Architecture**Part of:** [M-ARCH-105682 - Key Qualifications](#)

Type	Credits	Grading scale	Recurrence	Version
Completed coursework	4	pass/fail	Each term	1

**Prerequisites**

none

T

**4.94 Course: Workshop Impromptu Designs [T-ARCH-108459]**

**Responsible:** Studiendekan/in Architektur  
**Organisation:** KIT Department of Architecture  
**Part of:** [M-ARCH-104079 - Workshop Impromptu Designs](#)

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Irregular	1