Karlsruher Institut für Technologie

Module Handbook
Architecture Bachelor (B.Sc.)

SPO 2016

Summer term 2021

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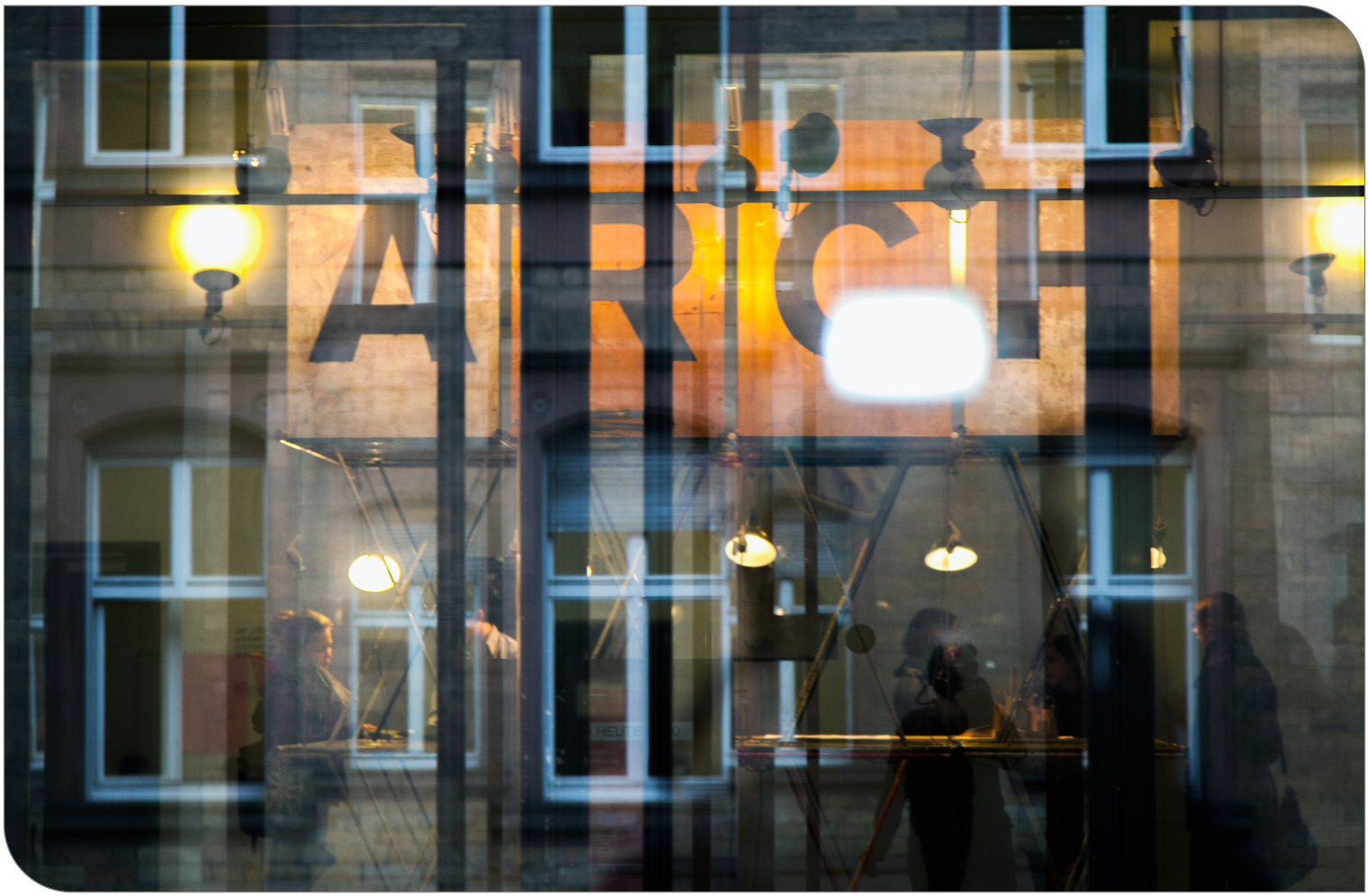
KIT DEPARTMENT OF ARCHITECTURE



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Editor/Publisher:

Fakultät für Architektur
Karlsruher Institut für Technologie (KIT)
76128 Kalrsruhe
www.arch.kit.edu

Contact: studienberatung@arch.kit.edu

The bachelor 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.

The planning and the scope of the BA study course Architecture encompasses six semesters. It ends with the degree Bachelor of Science (B.Sc.) which one is awarded after having successfully completed all exams. For this degree altogether 180 ECTS credit points have to be collected.

Within the framework of this study course skills in the following subjects, amongst others, should be attained:

- Designing
- Integral Designing
- Construction Technology
- Theoretic and Historical Basics
- Designing and Representing
- Urban- and Landscape Planning

Within the subject Specialization modules from various subject areas can be chosen and thereby students can develop an individual profile that corresponds with their own interests.

The subject Interdisciplinary Qualifications completes the courses on offer; here one can attain general as well as practical competencies.
Therefore, within the bachelor course of studies both the scientific basics as well as the connected methodic competencies are taught.

Every semester the students work in a specifically themed design studio. The individual professors supervise one respective studio personally. The design work is supported with a basic course offer specifically tailored to the students' needs. The aim of the study course is to ensure the students' ability of being able to successfully complete a consecutive master's program as well as being able to successfully apply the knowledge learned in one's later professional career. The examination regulations (attached) and the study plan based on this contain all binding requirements for the study course.

Basically, the study course is split up into modules. Every module can be made up of one or more courses which are successfully completed by passing one or more exams. The scope of each module is defined by credit points that, after successful completion of the module, are credited to the student's account.

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.

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 26th, 2016 (official notice of the Karlsruhe Institute of Technology (KIT) No. 66 dated July 27th, 2016) 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.

Study course design bachelor program Architecture

Bachelor Architecture
Exemplary Curriculum

arch.kit.edu **FAKULTÄT FÜR ARCHITEKTUR**

1. Sem	2. Sem	3. Sem	4. Sem	5. Sem	6. Sem
Studio Space 10 CP	Studio Structure 10 CP / OE	Studio Material 10 CP	Studio Context 10 CP	Studio System 10 CP	Bachelor's Thesis 12 CP
Basics of Design Theory 4 CP	Basics of Building Construction 4 CP	Building Construction 4 CP	Basics of Urban Planning 4 CP	Sustainability 4 CP	Advanced Topic of Bachelor Thesis 4 CP
Artistic and Sculptural Design 4 CP	Static and Strength of Materials 4 CP	Structural Design 4 LP	Urban Development and Construction Planning Law 4 CP	Elective Module* 4 CP	Elective Module* 4 CP
Building Materials Science 4 CP	Building Physics 4 CP / OE	Building Services 4 CP	Basics of Building Studies and Design 4 CP	Elective Module* 4 CP	Interdisciplinary Qualifications* 6 CP
Architectural Geometry and Digital Form Design 1 4 CP / OE	Architectural Geometry and Digital Form Design 2 4 CP	Architectural Geometry and Digital Form Design 3 4 CP	Communication of Architecture and Scientific Methodology 4 CP	Construction Economics and Law for Architects 4 CP	
Theory of Architecture 1 4 CP / OE	Theory of Architecture 2 4 CP	Building History 1 4 CP	Building History 2 4 CP	Building- or Art- and Urban Development-History 1 4 CP	Building- or Art- and Urban Development-History 2 4 CP
30 CP	**30 CP**	**30 CP**	**30 CP**	**30 CP**	**30 CP**

* Placeholder for various modules

STUDY STRUCTURE BACHELOR'S PROGRAM SPO2016													
Field title Conditions / Prerequisites Field **Module title**	**Module ID**	**CP Module**	**Conditions / Prerequisites Module**	**Module Component ID**	**Module Component Title**	**Examination**	**CP Module Component**	**semester assignment**					
								1	2	3	4	5	6
								CP	CP	CP	CP	CP	CP
Designing (40 CP) All modules in this field are compulsory modules.													
Studio Space	M-ARCH-103547	10	-	T-ARCH-107274	Design in Studio Space Frohn	Examination of another kind	10	10					
Studio Structure	M-ARCH-103548	10	**Successful completion of module studio space. orientation examination**	T-ARCH-107277	Design in Studio Structure Wappner	Examination of another kind	10		10				
Studio Material	M-ARCH-103549	10	Successful completion of module studio structure	T-ARCH-107280	Design in Studio Material Wappner	Examination of another kind	10			10			
Studio Context	M-ARCH-103550	10	Successful completion of module studio material.	T-ARCH-107283	Design in Studio Context Engel	Examination of another kind	10				10		
Integral Designing (14 CP) All modules in this field are compulsory modules.													
Studio System	M-ARCH-103551	10	-	T-ARCH-107286	Design in Studio System Hebel	Examination of another kind	10					10	
Sustainability	M-ARCH-103552	4	-	T-ARCH-107289	Sustainability	Examination of another kind	4					4	
Construction Technology (32 CP) All modules in this field are compulsory modules.													
Building Materials Science	M-ARCH-103553	4	-	T-ARCH-107290	Building Materials Science	Examination of another kind	4	4					
Basics of Building Construction	M-ARCH-103554	4	-	T-ARCH-107291	Basics of Building Construction	Examination of another kind	4		4				
Static and Strength of Materials	M-ARCH-103555	4	Exercise is a requirement for written examination.	T-ARCH-107292	Static and Strength of Materials	Written examination	4		4				
				T-ARCH-109234	Static and Strength of Materials - Exercise	completed coursework	0		0				
Building Physics	M-ARCH-103556	4	**orientation examination**	T-ARCH-107293	Building Physics	Examination of another kind	4		4				
Building Construction	M-ARCH-103557	4	-	T-ARCH-107294	Building Construction	Examination of another kind	4			4			
Structural Design	M-ARCH-103558	4	Exercise is a requirement for written examination.	T-ARCH-107295	Structural Design	Written examination	4			4			
				T-ARCH-109235	Structural Design - Exercise	completed coursework	0			0			
Building Services	M-ARCH-103559	4	-	T-ARCH-107296	Building Services	Examination of another kind	4			4			
Construction Economics and Law for Arcitects	M-ARCH-103560	4	-	T-ARCH-107297	Construction Economics and Law for Arcitects	Examination of another kind	4					4	
Theoretical and Historical Basics (20 CP) All modules in this field are compulsory modules.													
Theory of Architecture 1	M-ARCH-103561	4	**orientation examination -** Exercise is a requirement for written examination.	T-ARCH-107298	Theory of Architecture 1	Written examination	4	4					
				T-ARCH-109236	Theory of Architecture 1 - Exercise	completed coursework	0	0					
Theory of Architecture 2	M-ARCH-103562	4	Exercise is a requirement for written examination.	T-ARCH-107299	Theory of Architecture 2	Written examination	4		4				
				T-ARCH-109237	Theory of Architecture 2 - Exercise	completed coursework	0		0				
Building History 1	M-ARCH-103563	4	-	T-ARCH-107300	Building History 1	Written examination	4			4			
Building History 2	M-ARCH-103564	4	-	T-ARCH-107301	Building History and Building Survey	Examination of another kind	3				3		
				T-BGU-108019	Survey	completed coursework	1				1		
Communication of Architecture and Scientific Methodology	M-ARCH-103565	4	-	T-ARCH-107302	Communication of Architecture and Scientific Methodology	Written examination	4				4		
Designing and Representing (20 CP) All modules in this field are compulsory modules.													
Basics of Design Theory	M-ARCH-103566	4	-	T-ARCH-107303	Basics of Design Theory	Examination of another kind	4	4					
Artistic and ScuCPtural Design	M-ARCH-103567	4	-	T-ARCH-107304	Artistic and ScuCPtural Design	Examination of another kind	4	4					
Architectural Geometry and Digital Form Design 1	M-ARCH-103568	4	**orientation examination**	T-ARCH-107305	Architectural Geometry and Digital Form Design 1	Examination of another kind	4	4					
Architectural Geometry and Digital Form Design 2	M-ARCH-103569	4	-	T-ARCH-107306	Architectural Geometry and Digital Form Design 2	Examination of another kind	4		4				
Architectural Geometry and Digital Form Design 3	M-ARCH-103570	4	-	T-ARCH-107307	Architectural Geometry and Digital Form Design 3	Examination of another kind	4			4			
Urban- and Landscape Planning (20 CP) All modules in this field are compulsory modules.													
Basics of Urban Planning	M-ARCH-103571	4	Exercise is a requirement for written examination.	T-ARCH-106581	Basics of Urban Planning	Written examination	4				4		
				T-ARCH-109964	Principles of Building Studies and Design - Exercise	completed coursework	0				0		
Principles of Building Studies and Design	M-ARCH-103572	4	Exercise is a requirement for written examination.	T-ARCH-107309	Principles of Building Studies and Design	Written examination	4				4		
				T-ARCH-109233	Principles of Building Studies and Design - Exercise	completed coursework	0				0		
Urban Developent and Construction Planning Law	M-ARCH-103573	4	Exercise is a requirement for written examination.	T-ARCH-107310	Urban Developent and Construction Planning Law	Written examination	4				4		
				T-ARCH-110885	*Urban Developent- Exercise*	completed coursework	0						
Urban Development-, Building- or Art History 1	M-ARCH-103574	4	-	T-ARCH-107311	Urban Development-, Building- or Art History 1	Written examination	4					4	
Urban Development-, Building- or Art History 2	M-ARCH-103575	4	-	T-ARCH-107312	Urban Development-, Building- or Art History 2	Written examination	4						4
Specialization (16 CP) The module "Advanced Topic of Bachelor Thesis" is compulsory, from the other modules three have to be chosen.													
Advanced Topic of Bachelor Thesis	M-ARCH-103576	4	-	T-ARCH-107688	Advanced Topic of Bachelor	completed coursework	3						3
				T-ARCH-107690	Advanced Topic of Bachelor - Portfolio	completed coursework	1						1
Selected Topics of Building Studies and Design	M-ARCH-103577	4	-	T-ARCH-107317	Selected Topics of Building Studies and Design	Examination of another kind	4					x	x
Selected Topics of Descriptive Geometry	M-ARCH-103578	4	-	T-ARCH-107318	Selected Topicss of Descriptive Geometry	Examination of another kind	4					x	
Selected Topics of Drawing	M-ARCH-103579	4	-	T-ARCH-107319	Selected Topicss of Drawing	Examination of another kind	4						x
Visualization Methods	M-ARCH-103580	2	-	T-ARCH-107320	Visualization Methods	Examination of another kind	4					x	x

STUDY STRUCTURE BACHELOR'S PROGRAM SPO2016													
Field title Conditions / Prerequisites Field **Module title**	**Module ID**	**CP Module**	**Conditions / Prerequisites Module**	**Module Component ID**	**Module Component Title**	**Examination**	**CP Module Component**	**semester assignment**					
								1	2	3	4	5	6
								CP	CP	CP	CP	CP	CP
Selected Topics of Architecture, Furniture and Design	M-ARCH-103581	4	-	T-ARCH-107321	Selected Topics of Architecture, Furniture and Design	Examination of another kind	4					x	x
Selected Topic of Fine Art 1	M-ARCH-103582	4	-	T-ARCH-107322	Selected Topic of Fine Art 1	Examination of another kind	4					x	x
Selected Topics of Fine Arts 2	M-ARCH-103583	4	-	T-ARCH-107323	Selected Topics of Fine Arts 2	Examination of another kind	4					x	x
Selected Topics of Architectural Theory	M-ARCH-103584	4	-	T-ARCH-107324	Selected Topics of Architectural Theory	Examination of another kind	4					x	x
Architectural Theory Research Topics	M-ARCH-103585	4	-	T-ARCH-107325	Architectural Theory Research Topics	Examination of another kind	4					x	x
Selected Topics of Communication in Architecture	M-ARCH-103586	4	-	T-ARCH-107326	Selected Topics of Communication in Architecture	Examination of another kind	4					x	
Selected Topics of Building Technology	M-ARCH-103587	4	-	T-ARCH-107327	Selected Topics of Building Technology	Examination of another kind	4					x	x
Selected Topics of Building Construction Analysis	M-ARCH-103588	4	-	T-ARCH-107328	Selected Topics of Building Construction Analysis	Examination of another kind	4					x	x
Selected Topics of Sustainability	M-ARCH-103684	4	-	T-ARCH-107426	Selected Topics of Sustainability	Examination of another kind	4					x	x
Methodicial and Technical Planning Tools	M-ARCH-103589	4	-	T-ARCH-107329	Methodicial and Technical Planning Tools	Examination of another kind	4					x	
Structural Analysis	M-ARCH-103590	4	-	T-ARCH-107330	Structural Analysis	Examination of another kind	4					x	x
Selected Topics of Structural Design	M-ARCH-104513	4	-	T-ARCH-109243	Selected Topics of Structural Design	Examination of another kind	4					x	x
Selected Topics of Building Technology	M-ARCH-103591	4	-	T-ARCH-107332	Selected Topics of Building Technology	Examination of another kind	4					x	
Selected Topics of Building Physics	M-ARCH-103592	4	-	T-ARCH-107333	Selected Topics of Building Physics	Examination of another kind	4					x	x
Selected Topics of Urban Design	M-ARCH-103593	4	-	T-ARCH-107334	Selected Topics of Urban Design	Examination of another kind	4					x	x
Selected Topics of Urban Design - workshop	M-ARCH-103811	4	-	T-ARCH-107697	Selected Topics of Urban Design - Workshop	Examination of another kind	4					x	x
Selected Topics of Art History	M-ARCH-103594	4	-	T-ARCH-107335	Selected Topics of Art History	Examination of another kind	4					x	x
Selected Topics of Building History	M-ARCH-103595	4	-	T-ARCH-107336	Selected Topics of Building History	Examination of another kind	4					x	x
Building Survey	M-ARCH-103596	4	-	T-ARCH-107337	Building Survey	Examination of another kind	4					x	x
In-depth Surveying for Architects	M-BGU-104002	4	-	T-BGU-107443	In-depth Surveying for Architects	Examination of another kind	4					x	
Basis Course Photogrammetry	M-BGU-	4	-	T-BGU-107444	Basis Course Photogrammetry	Examination of another kind	4					x	x
Interdisciplinary Qualifications (6 CP)													
Key Qualifications	M-ARCH-103602	6	"Key qualifications at the HoC" and "Workshop Introduction" are compulsory, the remaining module components are selectable.	T-ARCH-107338	Key Qualifications at the HoC	completed coursework	1				1		
				T-ARCH-107340	Workshop Introduction	completed coursework	1	1					
				T-ARCH-107339	Key Qualifications at the HoC 1	completed coursework	2					x	x
				T-ARCH-107341	Basic Course in the Study Workshop Photography	completed coursework	4					x	x
				T-ARCH-107342	Basic Course in the Study Workshop Modell	completed coursework	4					x	x
				T-ARCH-109970	Visit lecture series Bachelor	completed coursework	1					x	x
				T-ARCH-107703	Internship	completed coursework	5					x	x
Bachelor Thesis Successful completion of the subjects" Designing" and "Integral Designing" and additional module examinations amounting to 76 CP.													
Bachelor Thesis	M-ARCH-103546	12	-	T-ARCH-107248	Bachelor Thesis	Bachelorarbeit mit Präsentation	12						12
Total		**180**						**31**	**30**	**30**	**31**	**30**	**28**

italic font = new module / new module component / change to SS 20

2 Field of study structure

Mandatory	
Bachelor Thesis	12 CR
Designing	40 CR
Integral Designing	14 CR
Construction Technology	32 CR
Theoretical and Historical Basics	20 CR
Designing and Representing	20 CR
Urban- and Landscape Planning	20 CR
Specialization	16 CR
Interdisciplinary Qualifications	6 CR

2.1 Bachelor Thesis

Credits
12

Mandatory		
M-ARCH-103546	Module Bachelor Thesis	12 CR

2.2 Designing

Credits
40

Mandatory		
M-ARCH-103547	Studio Space	10 CR
M-ARCH-103548	Studio Structure	10 CR
M-ARCH-103549	Studio Material	10 CR
M-ARCH-103550	Studio Context	10 CR

2.3 Integral Designing

Credits
14

Mandatory		
M-ARCH-103551	Studio System	10 CR
M-ARCH-103552	Sustainability	4 CR

2.4 Construction Technology

Credits
32

Mandatory		
M-ARCH-103553	Building Materials Science	4 CR
M-ARCH-103554	Basics of Building Construction	4 CR
M-ARCH-103555	Static and Strength of Materials	4 CR
M-ARCH-103556	Building Physics	4 CR
M-ARCH-103557	Building Construction	4 CR
M-ARCH-103558	Structural Design	4 CR
M-ARCH-103559	Building Services	4 CR
M-ARCH-103560	Construction Economics and Law for Architects	4 CR

2.5 Theoretical and Historical Basics

Credits
20

Mandatory		
M-ARCH-103561	Theory of Architecture 1	4 CR
M-ARCH-103562	Theory of Architecture 2	4 CR
M-ARCH-103563	Building History 1	4 CR
M-ARCH-103564	Building History 2	4 CR
M-ARCH-103565	Communication of Architecture and Scientific Methodology	4 CR

2.6 Designing and Representing

Credits
20

Mandatory		
M-ARCH-103566	Basics of Design Theory	4 CR
M-ARCH-103567	Artistic and Sculptural Design	4 CR
M-ARCH-103568	Architectural Geometry and Digital Form Design 1	4 CR
M-ARCH-103569	Architectural Geometry and Digital Form Design 2	4 CR
M-ARCH-103570	Architectural Geometry and Digital Form Design 3	4 CR

2.7 Urban- and Landscape Planning

Credits
20

Mandatory		
M-ARCH-103571	Basics of Urban Planning	4 CR
M-ARCH-103572	Principles of Building Studies and Design	4 CR
M-ARCH-103573	Urban Developent and Construction Planning Law	4 CR
M-ARCH-103574	Urban Development-, Building- or Art History 1	4 CR
M-ARCH-103575	Urban Development-, Building- or Art History 2	4 CR

2.8 Specialization

Credits
16

Mandatory		
M-ARCH-103576	Advanced Topic of Bachelor Thesis	4 CR
Election block: Compulsory Elective Modules Specialisation (at least 12 credits)		
M-ARCH-103577	Selectet Topics of Building Studies and Design	4 CR
M-ARCH-103578	Selected Topics of Descriptive Geometry	4 CR
M-ARCH-103579	Selected Topics of Drawing	4 CR
M-ARCH-103580	Visualization Methods	4 CR
M-ARCH-103581	Selected Topics of Architecture, Furniture and Design	4 CR
M-ARCH-103582	Selected Topics of Fine Art 1	4 CR
M-ARCH-103583	Selected Topics of Fine Art 2	4 CR
M-ARCH-103584	Selected Topics of Architectural Theory	4 CR
M-ARCH-103585	Architectural Theory Research Topics	4 CR
M-ARCH-103586	Selected Topics of Communication in Architecture	4 CR
M-ARCH-103587	Selected Topics of Building Technology	4 CR
M-ARCH-103588	Selected Topics of Building Construction Analysis	4 CR
M-ARCH-103684	Selected Topics of Sustainability	4 CR
M-ARCH-103589	Methodicial and Technical Planning Tools	4 CR
M-ARCH-103590	Structural Analysis	4 CR
M-ARCH-103591	Selected Topics of Building Technology	4 CR
M-ARCH-103592	Selected Topics of Building Physics	4 CR
M-ARCH-103593	Selected Topics of Urban Design	4 CR
M-ARCH-103811	Selected Topics of Urban Design - Workshop	4 CR
M-ARCH-103594	Selected Topics of Art History	4 CR
M-ARCH-103595	Selected Topics of Building History	4 CR
M-ARCH-105564	Selected Topics of Building History 2	4 CR
M-ARCH-103596	Building Survey	4 CR
M-BGU-104002	In-depth Surveying for Architects	4 CR
M-BGU-104004	Basis Course Photogrammetry	4 CR
M-ARCH-104513	Selected Topics of Structural Design	4 CR

2.9 Interdisciplinary Qualifications

Credits
6

Mandatory		
M-ARCH-103602	Key Qualifications	6 CR

3 Modules

M 3.1 Module: Advanced Topic of Bachelor Thesis [M-ARCH-103576]

Responsible: Prof. Marc Frohn
Prof. Simon Hartmann
Prof. Meinrad Morger
Prof. Ludwig Wappner

Organisation: KIT Department of Architecture

Part of: Specialization (mandatory)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	pass/fail	Each term	1 term	German	3	1

Mandatory			
T-ARCH-107688	Advanced Topic of Bachelor Thesis	3 CR	Frohn, Hartmann, Morger, Wappner
T-ARCH-107690	Advanced Topic of Bachelor Thesis - Portfolio	1 CR	Frohn, Hartmann, Morger, Wappner

Competence Certificate
Completed coursework consisting of two parts:

1.Specialization Bachelor Thesis
Working on the "Specialization Bachelor Thesis" usually, as a rule, takes place individually or in groups of two; there are regular supervisory and correction sessions. The produced results in the form of drawings, models, texts and lectures are presented and assessed within the framework of presentations or workshops during one‘s studies.

2. Portfolio
The portfolio is created by the students individually and without any supervision. The result is handed in as a physical portfolio. The portfolio is assessed as it relates to completeness, the plausibility and comprehensibility of the presented projects, the graphical and design-related quality as well as the technically skilled quality.

Competence Goal
1. Specialization Bachelor Thesis

The students:

- have a well-founded vocabulary of the most important terminology within design practice and theory at their disposal.
- can develop, analyze and reflect on architectural spaces within social, cultural and technological contexts.
- are able to thematically approach and describe their working methods, based on multifaceted 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 suitable tools for the respective steps within one’s work process.

2. Portfolio

The students:

- can produce a diligently planned, well-structured and reflected documentation of their completed coursework to date.
- are able to create a suitable portfolio for internship, university, etc. applications.

Module grade calculation
not graded

Prerequisites
none

Content
"Specialization Bachelor Thesis" is a course that accompanies the module "Bachelor Thesis" which, through workshops, seminars, lectures, tutorials and/or other courses, teaches contents, methods or design tools that are related to the module "Bachelor Thesis". The portfolio represents a graphical and content-related revision and reworking of the six design drafts undertaken during the course of one's Bachelor studies. In addition, the portfolio can contain select completed coursework and one's own works. The portfolio contains information as to the author/producer (e.g. CV) and is to be produced in accordance with commonly used formats.

Recommendation
Taking this course at the same time as the module "Bachelor Thesis".

Annotation
Only one of the four courses can be booked, in each case by the examiner at whom the Bachelor's thesis is also completed.

Workload
In-class time: Supervision/presentations 30 h

Self-study components: Development of an architectural design 90 h

M 3.2 Module: Architectural Geometry and Digital Form Design 1 [M-ARCH-103568]

Responsible: Udo Beyer
Organisation: KIT Department of Architecture
Part of: Designing and Representing

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

Mandatory			
T-ARCH-107305	Architectural Geometry and Digital Form Design 1	4 CR	Beyer

Competence Certificate
Other examination requirements consisting of a drawing-based term paper and the successful participation in the tutorials related to the courses of the module (tutorial certificates).

Competence Goal
The students:

- have sharpened their spatial awareness and have attained the capability to think spatially which basically enables them to develop ideas and concepts within a spatial context.
- can plastically present a project using a hand drawn axonometric portrayal.
- can scan templates and edit as well as assemble these with basic digital image editing tools for further use. .
- know about software for creating architectural drawings (CAAD) and can use the basic functions for 2D work.

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

Prerequisites
none

Content
This module is an introduction to various methods of portraying as well as teaching how to properly apply axonometric portrayals in sketches and exactly constructed portrayals. Historical and evolutionary development basics, Euclidian axiomatic theory and proof, parallel and central marking, basic and vertical planning, 2-view projections, linear transformations, axonometry, silhouettes and outlines, applying affine supporting figures as well as the geometry of spheres are all dealt with. Within the section Digital Design an introduction into architecturally relevant design and graphic software is given as well as on digital aids for project organization. The theoretical basics of digital image editing which includes pixels, vectors, resolution, color spaces, color depth, file formats etc. is also dealt with. In addition to this an introduction to current CAAD systems is given with a focus on the recording and rendering of entire design projects as 2D portrayals. Special focus is put on a sensible structuring of the project files.

Annotation
A part of the orientation exam.

Workload
Class attendance: Lectures, tutorials 60 h

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

M 3.3 Module: Architectural Geometry and Digital Form Design 2 [M-ARCH-103569]

Responsible: Udo Beyer
Organisation: KIT Department of Architecture
Part of: Designing and Representing

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

Mandatory			
T-ARCH-107306	Architectural Geometry and Digital Form Design 2	4 CR	Beyer

Competence Certificate
Other examination requirements consisting of a drawing-based term paper and the successful participation in the tutorials related to the courses of the module (tutorial certificates).

Competence Goal
The students:

- know the spatial portrayal situation of the projective geometry of the central perspective.
- can present an architectural space atmospherically in a computer-generated, rendered portrayal.
- know CAAD systems and can use these for creating 2D drawings and 3D models for the creation of visualizations.
- are apt at applying simple digital image editing tools in order to rework renderings.
- know and are able to manage the basics of layout software for the design of plans and presentations.

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

Content
This module is an introduction into the processes of constructing perspective illustrations as well as the usage of digital tools in order to create entire project portrayals (2D/3D). Various construction procedures when it comes to perspectives (intersection procedure, turned perspective procedure), the measurement of distances, circles and cylinders in perspective as well as silhouette and outline constructions using perspective collinear figures. Within the section Digital Design the use of current CAAD software for the creation of digital 3D models and their usage for plan illustrations and spatial visualizations is taught and practiced.

Recommendation: Successful completion of the module "Architectural Geometry and Digital Design 1".

Recommendation
Successful completion of the module "Architectural Geometry and Digital Form Design 1".

Workload
Class attendance: Lectures, tutorials 60 h

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

M 3.4 Module: Architectural Geometry and Digital Form Design 3 [M-ARCH-103570]

Responsible: Udo Beyer
Organisation: KIT Department of Architecture
Part of: Designing and Representing

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

Mandatory			
T-ARCH-107307	Architectural Geometry and Digital Form Design 3	4 CR	Beyer

Competence Certificate
Other examination requirements consisting of a drawing-based term paper and the successful participation in the tutorials related to the courses of the module (tutorial certificates).

Competence Goal
The students:

- can use digital tools in order to find forms and shops as well as to work on designs.
- know the basic design laws for a variety of media-specific products.
- know parametric CAD software and their usage for creating design variants as well as connecting to modern, computer-aided manufacturing processes.
- have an overview of the relevant classes of curved surfaces needed for construction forms as well as being able to understand and use complex geometrical concepts.
- are able to select the suitable digital tools for various tasks posed and this for all design phases.
- can apply the gained knowledge and abilities effectively and even transfer these onto new problems or tasks given.

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

Prerequisites
none

Content
In this module the applied techniques of image editing and the efficient use of graphic/layout programs as well as an introduction to parametric tools for finding forms and the creation of variants with the necessary geometrical basics needed to do this is taught. Questions pertaining to the design of plans, posters, brochures and websites with fonts and illustrative material are discussed as well as the possibilities of digital application demonstrated. Hereby effectively working with layout applications as well as complex techniques of image editing are shown and practiced. The media-specific design and editing of documents is presented and these are applied to practical examples. Experimental approaches that use digital production aids for building models and prototypes are demonstrated.

Recommendation
Successful completion of the module "Architectural Geometry and Digital Form Design 1 and 2".

Workload
Class attendance: Lectures, tutorials 60 h

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

M 3.5 Module: Architectural Theory Research Topics [M-ARCH-103585]

Responsible: Prof. Dr Georg Vrachliotis
Organisation: KIT Department of Architecture
Part of: Specialization (Compulsory Elective Modules Specialisation)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Irregular	1 term	German	3	2

Mandatory			
T-ARCH-107325	Architectural Theory Research Topics	4 CR	Vrachliotis

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.

Competence Goal
The students:

- are able to formulate independent questions on the development or potential of theories regarding buildings, concepts, tools or models. Hereby they can carry out independently organized scientific research whilst taking related disciplines into account.
- are capable of dealing with a given or self-chosen topic in the sense of a "discursive practice" and reflect this critically. They know the needed architectural vocabulary and with the aid of this they can represent their views in a differentiated and easily comprehensible manner when involved in an interdisciplinary communicative exchange.
- have the ability to work out and interpret key content in architectural theory texts and can summarize the results in an independent text in accordance with the methods of working scientifically.

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

Prerequisites
none

Content
In the module "Theory of Architecture Research Fields" an assigned or self-chosen topic from the area of "History and Theory of Architecture" is analyzed and interpreted. Interdisciplinary references to philosophy, cultural studies, the history of science and technology as well as current political and social conditions are a focal point. The focus hereby is on the critical reflection and analysis in the sense of a "discursive practice".

Recommendation: Successful participation in the module "Select Areas of the Theory of Architecture".

Recommendation
Successful completion of the module "Selected Topics of Architectural Theory".

Annotation
With a mandatory excursion.

Workload
In-class time: Seminar 30 h
Self-study: Preparation/follow-up, written paper/project 90 h

M 3.6 Module: Artistic and Sculptural Design [M-ARCH-103567]

Responsible: Prof. Stephen Craig
Organisation: KIT Department of Architecture
Part of: Designing and Representing

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

Mandatory			
T-ARCH-107304	Artistic and Sculptural Design	4 CR	Craig

Competence Certificate
Other examination requirements consisting of works that are undertaken during the semester in the tutorials as well as handing in the works (workbook of the lecture series, sketching book and the complete folder of drawings) at the end of the semester.

Competence Goal
The students:

- can apply different methods of freehand drawing.
- have improved / refined their perceptive and observative capabilities with regard to the drawing-related spatial portrayals.
- have extended their art-theoretical and contextual knowledge regarding the topic of drawing.

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

Prerequisites
none

Content
Imparting the basics of freehand drawing: Tutorials on spatial perspectives using, amongst other things, focusing / transferring a 3D object onto a 2D surface with the aid of a glass plate as a perspective depiction instrument / drawing objects in space / portrait drawings as a profile, half-profile and frontal. Parallel to the drawing tutorials, lectures take place which change weekly, that supply supporting theories and background information. Based on examples from both historical and current architecture, the visual arts, film and literature, one gets an insight into the context of drawing.

Workload
Class attendance: Lectures, tutorials 45 h
Independent study: preparing/follow-up work, exam preparation, project work 75 h

M 3.7 Module: Basics of Building Construction [M-ARCH-103554]

Responsible: Thomas Haug
Organisation: KIT Department of Architecture
Part of: Construction Technology

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

Mandatory			
T-ARCH-107291	Basics of Building Construction	4 CR	Haug

Competence Certificate
Other examination requirements consisting of the constructive, semester-accompanying work on the design project in the module "Studio Material". Working on the task is undertaken in groups of two and there is supervision and corrections made on a regular basis. The progress monitoring occurs during one's studies in the framework of up to two intermediate and one final presentation together with the presentation in the Studio Material. There the worked out results in the formats drawings, models, texts and presentations are portrayed and evaluated. The presentation length of the building construction-related composition is approx. 5 minutes per group.

Competence Goal
The students:

- have the basics of construction design and its technical fundamentals at their command.
- are able to develop and to assess structures in the realm of smaller building tasks and can develop these in a detailed manner.
- can apply a basic repertoire of methods for structuring architectural designs of a low degree of complexity with regard to structure, load transfer and architectural detailing of the building components of a high-rise with regard to the technical, economic and design-related qualities.

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

Prerequisites
none

Content
First the discipline and its contents in relationship to architectural design are presented. Afterwards the basics of building construction are taught. Of especial importance here is the relationship between spatial disposition and the structural framework. The building components of high-rises are dealt with, their requirements, their basic structure and set-up as well as the interfaces of the building components as an important factor of the construction and design of high-rises.

Recommendation
Take this concurrently with the module "Studio Structure".

Workload
Class attendance: Lectures 30 h

Independent study: preparing/follow-up work, exam preparation, project work 90

M 3.8 Module: Basics of Design Theory [M-ARCH-103566]

Responsible: Prof. Marc Frohn
Organisation: KIT Department of Architecture
Part of: Designing and Representing

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

Mandatory			
T-ARCH-107303	Basics of Design Theory	4 CR	Frohn

Competence Certificate
Other examination requirements consisting of two parts: In the framework of a written exam the important contents of the topics dealt with in the lecture as well as the accompanying texts and drawings made available will be examined. The duration of the written exam is approx. 150 minutes. Working on the accompanying exercise usually takes place, as a rule, in groups of four to five. There are regular supervision and correction sessions. The progress monitoring of the tutorial takes place within the framework of a final presentation. Here the worked out results are presented and evaluated in the form of drawings, models and presentations. The duration of the presentation is approx. 15 minutes per group.

Competence Goal
The students:

- attain a basic understanding of the key aspects of architectural thought.
- can avail of a well-founded vocabulary of the most important terms regarding design practice and theory.
- attain a basic vocabulary of architectural references and concepts and can place these within key design aspects such as geometry, structure, context, perception, spatial boundaries, relations to humans etc. within an interdisciplinary context.
- are able to transfer these analysis and presentation abilities onto other architectural subjects.
- attain a well-founded understanding of design processes during the architectural design phase.
- can categorize design-related decisions and the architectural manifestations resulting therefrom with regard to fundamental facets of the cultural, social and technological contexts.

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

Prerequisites
none

Content
Accompanying course to the design course in the module "Studio Spatial Studies". The lecture is organized into several thematic blocks that represent a systematic and targeted approach to key aspects of architectural thought. The approach is undertake via the presentation and analysis of the important language-related vocabulary, relevant reference projects, various different design approaches as well as design processes. These are placed within their cultural, social and technological contexts. In the framework of the accompanying tutorial the students systematically analyze and document key architecture with the aid of drawings and/or models. Within the framework of the research undertaken for this analysis and documentation, the students independently compile illustrative material, drawings and texts pertaining to these buildings and, amongst other things, make use of the KIT libraries for this.

Recommendation
Take this concurrently with the module "Studio Space".

Workload
Class attendance: Lectures, tutorials 30 h

Independent study: preparing/follow-up work, exam preparation, project work 90 h

M 3.9 Module: Basics of Urban Planning [M-ARCH-103571]

Responsible: Prof. Henri Bava
Prof. Dr.-Ing. Barbara Engel
Organisation: KIT Department of Architecture
Part of: Urban- and Landscape Planning

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each summer term	1 term	German	3	2

Mandatory			
T-ARCH-106581	Fundamentals of Town Planning	4 CR	Bava, Engel
T-ARCH-109964	Basics of Urban Planning - Practical Course	0 CR	Bava, Engel

Competence Certificate
Oral exam lasting 15 minutes on the contents of the lecture. Requirement for the exam application is having passed the completed coursework "Basics of Urban Planning - Tutorial". This consists of several tutorials on the contents of the lecture that one has to undertake during the semester.

Competence Goal
The students:

- are able to apply urban development methods and can critically assess various different design and planning approaches.
- can avail of planning and design basic knowledge regarding various scale levels and in the following thematic fields: urban morphologies and typologies, urban ecology, free spaces, transport/infrastructure, legal aspects, urban analysis, connect development and design

Module grade calculation
The module grade is the grade of the written exam.

Prerequisites
none

Content
In this module the basics regarding the thematic fields urban development, urban and regional planning as well as landscape planning are taught. Tools are introduced for urban planning structure analysis, concept development and urban planning design which are gone into in-depth within the framework of a mandatory excursion. In addition, basic knowledge on the designing of urban planning and town maps as well as scales and the introduction to portrayal and presentation techniques are the contents of this course. The module is closely related, content-wise, to the module "Studio Context".

Recommendation
Take this concurrently with the module "Studio Context".

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 3.10 Module: Basis Course Photogrammetry [M-BGU-104004]

Responsible: Dr.-Ing. Thomas Vögtle
Organisation: KIT Department of Civil Engineering, Geo- and Environmental Sciences
Part of: Specialization (Compulsory Elective Modules Specialisation)

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

Mandatory			
T-BGU-107444	Basis Course Photogrammetry	4 CR	Vögtle

Competence Certificate
Other examination requirements consisting of a graded project work (drawing/constructive) which consists of a worked-out paper on one of the practical exercises.

Competence Goal
The students are able to:
- assess the basic photogrammetric procedures based on their performance possibilities.
- evaluate the necessary workload – and thereby the economic efficiency – depending on the various different tasks and areas of application.
- can independently undertake photogrammetric tasks with the aid of corresponding free or commercial software systems.

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

Prerequisites
none

Content
In the lectures the work methods, recording and evaluation procedures are presented and are gone into in-depth in follow-up practical tutorials.

Workload
In-class time: Lectures, tutorials 45 h
Self-study: Preparation/follow-up, written paper/project 75 h.

M 3.11 Module: Building Construction [M-ARCH-103557]

Responsible: Prof. Ludwig Wappner
Organisation: KIT Department of Architecture
Part of: Construction Technology

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

Mandatory			
T-ARCH-107294	Building Construction	4 CR	Wappner

Competence Certificate
Other examination requirements consisting of the constructive, semester-accompanying work on the design project in the module "Studio Material". Working on the task is undertaken in groups of two and there is supervision and corrections made on a regular basis. The progress monitoring occurs during one's studies in the framework of up to two intermediate and one final presentation together with the presentation in the Studio Material. There the worked out results in the formats drawings, models, texts and presentations are portrayed and evaluated. The presentation length of the building construction-related composition is approx. 5 minutes per group.

Competence Goal
Students:

- have knowledge of construction design and its technical fundamentals at their command.
- can apply a repertoire of methods for structuring architectural designs of a low degree of complexity with regard to structure, load transfer and architectural detailing of the building components of a high-rise with regard to the technical, economic and design-related qualities.

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

Prerequisites
none

Content
Building Construction is taught in relation with architectural design. The teaching and application of enhanced knowledge of Building Construction is the focus. Taught is the relationship of spatial disposition and building structures with a medium level of complexity, the interfaces of building components as an important element of the construction and design of high-rises with regard to spatial, structural and physical building aspects.

Recommendation
Take this concurrently with the module "Studio Material".

Workload
Class attendance: Lectures 30 h

Independent study: preparing/follow-up work, exam preparation, project work 90

M 3.12 Module: Building History 1 [M-ARCH-103563]

Responsible: Prof. Dr.-Ing. Joaquín Medina Warmburg
Organisation: KIT Department of Architecture
Part of: Theoretical and Historical Basics

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

Mandatory			
T-ARCH-107300	Building History 1	4 CR	Medina Warmburg

Competence Certificate
Written exam taking 60 minutes on the contents of the lecture.

Competence Goal
The students:

- can categorize and apply the basic and discipline-related terminology of Architecture / the History of Architecture.
- have an understanding of typologies and building designs.
- are conscious of the historical importance of architecture.
- know about the conditions under which they were built as well as the historical context.
- have basic knowledge at their command on the principal architectural structures of every era, all based on the latest research data.

Module grade calculation
The module grade is the grade of the written exam.

Prerequisites
none

Content
Teaching the basics and methods of the History of Architecture, introduction to discipline-specific terminology/architecture vocabulary, building designs, typologies etc. The History of Architecture from the very beginning until the 18th century.

Workload
Class attendance: Lectures, tutorials 60 h

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

M 3.13 Module: Building History 2 [M-ARCH-103564]

Responsible: Prof. Dr.-Ing. Joaquín Medina Warmburg
Organisation: KIT Department of Architecture
Part of: Theoretical and Historical Basics

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

Mandatory			
T-ARCH-107301	Building History and Building Survey	3 CR	Medina Warmburg
T-BGU-108019	Survey	1 CR	Juretzko

Competence Certificate
Other examination requirements consisting of a written exam taking 60 minutes on the lecture contents and the results of the preparatory exercise and the tutorial Structural Recording (group work) in form of plans that portray the inspected object. The completed coursework Surveying consists of prepared calculation exercises and the handing-in of the worked out survey in the form of plans and tables.

Competence Goal
The students:

- have developed an awareness for the historical relevance of architecture, know about the conditions under which they were built and the historical context as well as having basic knowledge at their command on the principal architectural structures of every era, all based on the latest research data.
- have the capability of surveying a built spatial object by mapping out and drawing this free hand, also using scaled architectural plans, all in accordance with the visualization tools an architect works with.
- know the theoretical and practical basics when it comes to surveying buildings, i.e. surveying using manual hand measurements as well as geodetic support and can also apply these.
- are able to realize that what has been surveyed in an illustrated / graphical plan.
- have basic knowledge about the science of surveying.
- are able to work with tacheometers and levelling instruments.
- can transfer the survey results to CAD drawings.

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

Prerequisites
none

Content
Lecture: History of Architecture of the 19th and 20th century

Structural Recording: Recording as a drawing an existing historical building. The tutorial will take place in the summer semester. One needs to complete preparatory exercises as well as taking introductory lectures. In addition, a main tutorial in the form of a compact tutorial needs to be undertaken during a 4-day mandatory work excursion in the week after Whitsun/Pentecost. During the work excursion the tutorial Surveying will take place at the same time: 2 days tutorial Structural Recording, 2 days Surveying

Surveying: Recording a built-up area using modern geodetic methods and presentation in form of a CAD site plan. For the preparation one needs to work on 3 calculation exercise sheets based on the contents of the lecture.

Recommendation
Successful completion of the module "Building History 1".

Annotation
With a mandatory excursion.

Workload
Class attendance: Lectures, tutorials 60 h

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

M 3.14 Module: Building Materials Science [M-ARCH-103553]

Responsible: Prof.Dipl.-Ing. Dirk Hebel
Organisation: KIT Department of Architecture
Part of: Construction Technology

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

Mandatory			
T-ARCH-107290	Building Materials Science	4 CR	Hebel

Competence Certificate
Other examination requirement that consists of handing in a written materials research paper in the specified format. All relevant information as well as the information presented in the lecture with regard to a chosen field of materials knowledge which was gone into in detail during tutorials as well is part of this progress monitoring. Apart from the written work fitting material samples are part of the work that has to be handed in.

Competence Goal
The students:

- are able to name the basic technical features and characteristics of the most important building materials.
- can differentiate between the and compare the materials: In how far is there a difference between facade sheets made out of zinc compared to those made out of aluminum? How do you judge the corrosion and fire resistance of both steel as well as laminated timber beams? etc.
- can independently undertake research on materials and building products.
- have developed the first skills when it comes to analyzing and critically examining existing buildings with regard to material usage.

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

Prerequisites
none

Content
In this module an overview of the technical features and design-related application possibilities of the most important building materials is given: natural stone, artificial stone, mineral binding agents, concrete, plastics, steel, non-ferrous metals, glass and wood. Hereby the basic damage mechanisms of the building materials are also dealt with: steel and concrete corrosion, damp and salts. Object examples from modern architecture as well as from historical building eras are examined and give a good insight into how dealing with different materials has changed over time, both in a building-construction as well as aesthetic manner.

Workload
Class attendance: Lectures, tutorials 60 h

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

M 3.15 Module: Building Physics [M-ARCH-103556]

Responsible: Prof. Andreas Wagner
Organisation: KIT Department of Architecture
Part of: Construction Technology

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

Mandatory			
T-ARCH-107293	Building Physics	4 CR	Wagner

Competence Certificate
Other examination requirements consisting of working on tutorial-related tasks during the course of the semester and an additional task at the end of the semester. On the day of the examination, a randomly selected exercise from the semester must be handed in and an additional task related to the selected exercise must be completed. The processing time for the additional task is approximately 180 minutes.

Competence Goal
The students:

- can name the focal points of construction physics that are relevant for building and spatial (indoor climate) concepts as well as for design and construction as well as being able to simply describe the basic physical phenomena.
- are familiar with the important aspects that are related to the sensory-based evaluation of rooms and spaces (thermally, olfactorily, visually, auditively) and can assess their dimensions based on own measurements and experiences made to date. They understand the relationship between these dimensions and the conceptual building design.
- recognize the effects of various environmental influences on a building and can interpret the influence of physical building measures on these. They know about important tools for planning as well as measuring devices to evaluate physical building dimensions.
- have at their command the relevant design and construction-supporting calculation tools for winter and summer heat insulation and thermal protection, for energy balancing as well as protection from damp.
- can interpret their measurement and calculation results and can deduce measures that need to be taken when it comes to the design as well as construction details.
- are able to talk about the relationship between buildings and the environment in a widened sense with respect to resources being used and environmental effects.

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

Prerequisites
none

Content
This module teaches the basics of construction physics to the students in an architectural suitable manner. In lectures and tutorials the topics being dealt with are outdoor and indoor climate, the comfort of indoor spaces, the winter and summer-related heat insulation and thermal protection, energy balancing, passive solar energy usage, energy-efficient and climate-suitable construction, damp protection as well as acoustic and fire insulation. After a short introduction and a phenomological look at the theoretical basics, the focus is then on the practical application of what has been learned to the actual constructive building design. For this methods and calculation tools for heat and damp insulation as well as energy balancing are introduced. In the accompanying tutorials an introduction to climatic building dimensions is given and this is recorded and assessed using measuring devices. Finally conceptual questions on damage-free, energy efficient and climate compatible construction are worked on and measuring tools for the quantification of energy-related as well as heat and damp-related issues are applied and put to use.

Recommendation
Take this concurrently with the module "Studio Structure".

Annotation
A part of the orientation exam.

Workload
Class attendance: Lectures, tutorials 45 h
Independent study: preparing/follow-up work, exam preparation, project work 75h

M 3.16 Module: Building Services [M-ARCH-103559]

Responsible: Andreas Wagner
Organisation: KIT Department of Architecture
Part of: Construction Technology

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

Mandatory			
T-ARCH-107296	Building Services	4 CR	Wagner

Competence Certificate
Other examination requirements consisting of working on tutorial-related tasks during the course of the semester and an additional task at the end of the semester. On the day of the examination, a randomly selected exercise from the semester must be handed in and an additional task related to the selected exercise must be completed. The processing time for the additional task is approximately 180 minutes.

Competence Goal
The students:

- can name topic foci of the technical building systems that are relevant for building technology as well as energy concepts and can simply describe the basic systems and components as well as their relation to the building.
- are familiar with the most important parameters related to the technical systems of a building and can assess their scale and dimension.
- recognize the effects of various environmental influences on a building as well as the user needs and, from this, they can deduce the requirements needed for technical building systems and can realize this within the overall building concept as well as in further design steps.
- have at their command the relevant planning and calculation tools for the dimensioning of systems and components as well as for the accounting regarding the overall energy needs of a building.
- can interpret their calculation results and deduce measures from these regarding building design, systems‘design and the ongoing work on these. They can recognize interfaces between technical systems and design drafts resp. building construction drafts and can work on and with these.
- are able to discuss the relationship between buildings and the environment in a wider sense, with regard to resources being used and the influences on the environment.

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

Prerequisites
none

Content
This module teaches the basics of Technical Building Systems to the students in an architectural suitable manner. In lectures and tutorials the questions being dealt with are those focusing on energy concepts and energy supply, heating and ventilation technology, drinking water supply and building drainage, cooling/air condition, lighting technology, electrical planning as well as installation planning and execution. In addition to the clarification of the functions of the respective technical systems and their components as well as relevant parameters, the practical application of the subject matter for the design drafts is in the foreground. For this methods and calculation tools for the dimensioning of systems and components as well as for the accounting for the overall energy needs of a building are introduced. In tutorials the dimensioning of systems and components of technical building engineering is practiced as well as the conceptual designing of various technical systems in the context of building design.

Recommendation
Successful completion of the module "Building Physics". Take this concurrently with the module "Studio Material".

Workload
Class attendance: Lectures, tutorials 60 h

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

M 3.17 Module: Building Survey [M-ARCH-103596]

Responsible: Prof. Dr.-Ing. Joaquín Medina Warmburg
Organisation: KIT Department of Architecture
Part of: Specialization (Compulsory Elective Modules Specialisation)

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

Mandatory			
T-ARCH-107337	Building Survey	4 CR	Medina Warmburg

Competence Certificate
Other examination requirements consisting of the measurements of a building plus the creation of a planning set, its drawn, graphical drafting and preparation as well as the oral and written/drawn presentation of the recorded observations on the history of its construction and usage during a final colloquium/presentation.

Competence Goal
The students:

- are able to practically apply and sensibly combine various different methods of format-fitting building documentation and can analyze, interpret and present the observed findings.

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

Prerequisites
none

Content
Producing a building documentation that satisfies all scientific requirements regarding exactness and informative value.

Recommendation
Successful completion of the module "Building History 2".

Workload
In-class time: Tutorials 30 h
Self-study: Preparation/follow-up, written paper/project 90 h

M 3.18 Module: Communication of Architecture and Scientific Methodology [M-ARCH-103565]

Responsible: Prof. Dr. Riklef Rambow
Organisation: KIT Department of Architecture
Part of: Theoretical and Historical Basics

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

Mandatory			
T-ARCH-107302	Communication of Architecture and Scientific Methodology	4 CR	Rambow

Competence Certificate
Written exam taking 90 minutes on the contents of the lecture.

Competence Goal
The students:

- know the basic concepts and application areas of Architecture Communication and recognize the significance of communication for the development of high-quality architecture.
- recognize the possibilities and limitations of the most important media of Architecture Communication, can assess their logical usage and can analyze as well as evaluate complex communication strategies.
- can name the most important strategies and methods of working scientifically and can apply these onto simple questions coming from the fields of architecture and urban planning.
- can name and apply important criteria for the quality of research in order to assess relevant research results.
- know the most important scientific and epistemological concepts and are able to apply these in order to develop an independent position on working scientifically within the field of architecture and to back this up with good, sound arguments.

Module grade calculation
The module grade is the grade of the written exam.

Prerequisites
none

Content
The lecture "Introduction to Architecture Communication" gives an overview of the theoretical basics and application areas of architectural communication. Based on the psychological theory of expert-layperson communication, the significant interfaces of architecture and the public sphere are looked at and are critically discussed. Strategies, formats and media of communication are dealt with and are analyzed as to their suitability for various different target groups and communication contexts.

Current developments in the field of Architecture Communication and the discussion on building culture are presented and categorized based on examples. The lecture "Introduction to Working Scientifically" presents the basics of scientific as well as epistemological theory and shows their significance for working scientifically in the fields of architecture and urban planning. Quality criteria regarding scientific practice are described and are applied in an exemplary manner in order to determine what possibilities and what limitations there are in architecture when it comes to working in a scientific manner. Based on historical and current examples the most important strategies of empirical research are named and reflected on; these include qualitative, correlative, experimental and quasi-experimental strategies. Methods and tools such as questionnaires / surveys, observations and mapping are made very concrete by using examples.

Workload
Class attendance: Lectures, tutorials 45 h

Independent study: preparing/follow-up work, exam preparation, project work 75 h

M 3.19 Module: Construction Economics and Law for Architects [M-ARCH-103560]

Responsible: Studiendekan/in Architektur
Organisation: KIT Department of Architecture
Part of: Construction Technology

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

Mandatory			
T-ARCH-107297	Construction Economics and Law for Architects	4 CR	Fischer, Meiringer

Competence Certificate
Other examination requirements consisting of a written exam taking all-in-all 120 minutes on the lecture contents Construction Economics and Architectural Law as well as the construction-economical composition of the draft project in the module "Studio Order", which is to be worked on and produced during the semester. Working on the design project takes place in the same groups as in the module "Studio Order". The result of the worked out design is a property profile.

Competence Goal
The students:

- know the construction-economic relationship between planning, execution and resource usage.
- are able to realize planning ideas both economically and sustainably.
- have an overview of the entire sector of the construction industry.
- know the basics regarding the relationship of professional and civil law which architects are confronted with in their profession and on construction sites.

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

Prerequisites
none

Content
In this module the students are taught construction-economical and architectural-legal basics. In the field of construction economics competencies with regard to economical planning and execution of construction projects are further foci. The bandwidth of topics goes from requirements planning at project start to methods during tendering and building execution all the way to practice-oriented instruments for costs planning and property evaluation. The knowledge is applied during the project work. In the area of architectural law the topics are the practice-oriented dealing with building and architect contracts with VOB (German Construction Contract Procedures) and HOAI (German Fee Regulations for Object Planners, Architects and Engineers) as well as entrepreneurial tasks when working professionally as an architect, including architectural copyright laws, professional liability insurance, architectural competitions, etc.

Recommendation
Take this concurrently with the module "Studio Order".

Workload
Class attendance: Lectures, tutorials 60 h

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

M 3.20 Module: In-depth Surveying for Architects [M-BGU-104002]

Responsible: Dr.-Ing. Manfred Juretzko
Organisation: KIT Department of Civil Engineering, Geo- and Environmental Sciences
Part of: Specialization (Compulsory Elective Modules Specialisation)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each winter term	2 terms	German	3	1

Mandatory			
T-BGU-107443	In-depth Surveying for Architects	4 CR	Juretzko

Competence Certificate
Other examination requirements that are made up of the following parts: 3 prepared calculation exercises, participating in 3 practical tutorials, the (drawn) worked out paper on one of the practical exercises as well as producing a (fictional) layout plan for the building planning application.

Competence Goal
The students:
- have in-depth knowledge of the fields surveying techniques as well as building development planning.
- are able to use modern surveying instruments, transferring the survey results into CAD drawings as well as being able to produce a layout for the building development planning in accordance with the legal stipulations for a simple project.

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

Prerequisites
none

Content
In the foreground there is the practical dealing with and usage of modern electronic tacheometers, the drawing of the survey results as well as the (fictional) production of a layout for the building development planning. In addition, the following is also taught: Introduction to the mathematical basics of the science of surveying, terrestrial laser scanning as well as an overview of the geodetic relation systems and official surveying regulations.

Recommendation
Successful completion of the module "Building History 2".

Workload
In-class time: Lectures, tutorials 45 h
Self-study: Preparation/follow-up, written paper/project 75 h

M 3.21 Module: Key Qualifications [M-ARCH-103602]

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	3	3

Mandatory			
T-ARCH-110592	Key Qualifications at the HoC, ZAK or Sprachenzentrum	1 CR	
T-ARCH-107340	Workshop Introduction	1 CR	Abraham, Heil, Knipper, Neubig
Election block: Elective Key Qualifications (between 4 and 6 credits)			
T-ARCH-107339	Key Qualifications 1	2 CR	
T-ARCH-107700	Key Qualifications 3	3 CR	
T-ARCH-108263	Key Qualifications 5	1 CR	
T-ARCH-107341	Basic Course in the Study Workshop Photography	4 CR	Seeland
T-ARCH-107342	Basic Course in the Study Workshop Modell	2 CR	Abraham, Heil, Knipper, Neubig
T-ARCH-107703	Internship	4 CR	Architektur
T-ARCH-109970	Visit Lecture Series Bachelor	1 CR	Architektur
T-ARCH-111342	Seminar Week	2 CR	Architektur

Competence Certificate
The progress monitoring takes place in the form of completed coursework that varies type-wise and scope-wise, depending upon the course taken. If an internship in the building industry is being undertaken, then an internship report having at least 3 pages is to be produced. This should be handed in to the Internship Office of the faculty and needs to include a certification by the company worked at, specifying the contents and the time period of the internship. The progress monitoring of the partial completed coursework "Participation in Lecture Series" consists of the confirmation of having visited at least 15 lectures of the lecture series "Karlsruhe Architecture Lectures", "Lecture Series History of Art" or "Construction History Colloquium" of the KIT Department of Architecture.

Competence Goal
The students:

- know the various different study workshops of the Department of Architecture.
- are able to operate and use the machines and tools that are present there under supervision.
- know the respective safety regulations for the machines and the workshops.
- are able to select the fitting material for their own model and to work on this materially-specific.
- know the specific advantages and disadvantages of the various materials and the techniques used.
- are able to select the fitting material for their own model and to work on this materially-specific respectively being able to select the right method, setting etc. for the object that is to be illustrated.
- have made experience with teamwork, social communication and creativity techniques.
- are able to produce presentations and can apply standard presentation techniques.
- can logically and systematically argue and write.
- can avail of the authority and competence to work in a professional, job-related context.

Module grade calculation
not graded

Prerequisites
none

Content
Within this module various courses are on offer that can be taken in order to gain non-discipline related qualifications.

Mandatory parts:

During the workshop introductory courses the students get to know the study workshops wood, metal, model building and the digital workshop and they get an introduction to dealing with and using the machines present, including a safety briefing. In addition to this, knowledge on the application and working with the various different model building materials is taught. At least one course having 1 credit point within the HoC, ZAK or language courses on offer must be taken. As a rule, within the framework of a studio a course of this nature and scope is usually offered.

Elective parts:

- Basic courses of the study workshops having 2 or 4 credit points

- the entire SQ courses being offered by the HoC, the ZAK as well as the language courses of the Center for Languages. Further information on the different institutions can be found in the KIT course catalogue.

- Construction internship within the key building industry sector encompassing 120 hours of work time (3 weeks full-time work), 4 credit points

- Visiting lectures of the lecture series of the KIT Faculty of Architecture encompassing 30 hours (15 lectures), 1 credit point

Workload
In-class time: according to offer
Self-study: according to offer

M 3.22 Module: Methodicial and Technical Planning Tools [M-ARCH-103589]

Responsible: Prof. Dr.-Ing. Petra von Both
Organisation: KIT Department of Architecture
Part of: Specialization (Compulsory Elective Modules Specialisation)

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

Mandatory			
T-ARCH-107329	Methodicial and Technical Planning Tools	4 CR	von Both

Competence Certificate
Other examination requirements consisting of a written/planned composition and a 15-minute presentation with a discussion of the results.

Competence Goal
The students:

- have a basic understanding of system-oriented, holistic thought processes as well as knowledge of the basics of integral planning.
- know select planning-supportive methods and/or IT-based techniques for various different processes within a planning process.
- are able to critically reflect on, assess and apply (problem-based) the methods and technical tools introduced in the course.

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

Content
This module teaches students the theoretical basics and practical aspects of planning methodics. In addition to the general fundamentals, terms and approaches of construction methodics as well as systems engineering, the construction-specific aspects of integral planning are also focused on. Building on this, select planning-supportive methods and/or IT-supported techniques for various different processes during the course of planning a project are dealt with.

Workload
In-class time: Seminar 30 h

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

M 3.23 Module: Module Bachelor Thesis [M-ARCH-103546]

Responsible: Studiendekan/in Architektur
Organisation: KIT Department of Architecture
Part of: Bachelor Thesis

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
12	Grade to a tenth	Each term	1 term	German	3	1

Mandatory			
T-ARCH-107248	Bachelor Thesis	12 CR	Frohn, Hartmann, Morger, Wappner

Competence Certificate
The bachelor's thesis is comprised of the architectural design assessments and examinations that a student undertakes during the semester. Working on the design task takes place on an individual basis and regular supervisory phases respectively corrective measures take place. The progress monitoring takes place during one's studies within the framework of one to two intermediate milestone presentations and one final one. Here the worked out results are presented in the form of drawings, models, texts and presentations and these are then graded. The duration of each presentation is approx. 20 minutes per person.

Competence Goal
The students:

- can implement the scientific, design-oriented, constructive-technical, theoretical-historical, urban planning, organizational and draft-related methods that they have acquired during their studies in a targeted manner in order to work on complex architectural design tasks.
- can analyze and reflect their design draft regarding the social, cultural and technological context, can work out variants during the design process and can compare as well as evaluate these.
- are able to work out the necessary detail level depending on the task assigned as well as being able to portray and visualize this.
- can talk about their work in front of an audience and present this as well as being able to answer examiners' questions on the presented work in a substantive and comprehensive manner.

Module grade calculation
The module grade is the grade of the bachelor's thesis.

Prerequisites
The prerequisite for being admitted to the module bachelor's thesis is that the student has successfully completed

1. the subject "Design",

2. the subject "Integral Design" and

3. additional module exams amounting to 76 credit points.

Modeled Conditions
The following conditions have to be fulfilled:

1. You need to earn at least 76 credits in the following fields:
   - Construction Technology
   - Designing and Representing
   - Urban- and Landscape Planning
   - Theoretical and Historical Basics
   - Interdisciplinary Qualifications
   - Specialization
2. The field Designing must have been passed.
3. The field Integral Designing must have been passed.

Content
The bachelor's thesis should encompass all of the competencies acquired during one's entire bachelor's study course and represent these within a final architectural design. It should also prove that the students are qualified to now work professionally or to take up a master's study course in Architecture. Within the framework of the bachelor's thesis the students independently develop an architectural design and within a set timeframe, based on scientific, design-oriented, constructive-technical, theoretical-historical, urban planning, organizational and draft-related methods. The time allotted for working on this as well as presenting the final result is set in accordance with the schedule made by the examination board. This time schedule, uniform for all students, is handed out together with the bachelor's thesis.

With a mandatory excursion.

Annotation
For the bachelor's thesis there are topics available every semester. The examination board defines an examiner and a second examiner for every single topic. The assignment of the topics for the students takes places in accordance with a set allocation procedure.

Workload
In-class time: Supervision/presentations 60 h

Self-study components: Development of an architectural design 300 h

M 3.24 Module: Principles of Building Studies and Design [M-ARCH-103572]

Responsible: Prof. Meinrad Morger
Organisation: KIT Department of Architecture
Part of: Urban- and Landscape Planning

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each summer term	1 term	German	3	2

Mandatory			
T-ARCH-107309	Principles of Building Studies and Design	4 CR	Morger
T-ARCH-109233	Principles of Building Studies and Design - Practical Course	0 CR	Morger

Competence Certificate
Written exam lasting approx. 60 minutes on the contents of the lecture. Requirement for the exam application is having passed the completed coursework "Basics of Building Theory – Tutorial". This consists of several tutorials connected to the lecture contents which need to be taken during the semester.

Competence Goal
The students:

- have gained basic knowledge based on selected projects and references.
- are able to identify and work out the most important principles regarding context, typology, structure and space.
- can independently work on exercises based on the insights they gained from the lecture and during self-study and are able to realize these design-wise.

Module grade calculation
The module grade is the grade of the written exam.

Prerequisites
none

Content
A typological look at architecture requires a series of lectures that presents various different buildings within a "collected series of lectures". A willful categorization of these buildings usually takes place against the backdrop of functional and programmatic requirements. Ordering according to usage comes about and the buildings can be thematically looked at and examined in accordance to their genre. An important feature when dealing with this topic is how these buildings have evolved over time and how certain building types have disappeared, this including the framework that lead to this or have led to this in the past. What is often swept under the carpet are hybrid application usages, contextual relationships and a usage-open architecture – these all being of great relevance when it comes to a complete teaching of Building Theory. These influence respectively mutate the "pure types". Due to this, a basic understanding of architecture is being created. The tutorials go more in-depth regarding the topics of the lectures.

Annotation
With a mandatory excursion.

Workload
Class attendance: Lectures, tutorials 30 h

Independent study: preparing/follow-up work, exam preparation, project work 90 h

M 3.25 Module: Selected Topics of Architectural Theory [M-ARCH-103584]

Responsible: Prof. Dr Georg Vrachliotis
Organisation: KIT Department of Architecture
Part of: Specialization (Compulsory Elective Modules Specialisation)

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

Mandatory			
T-ARCH-107324	Selected Topics of Architectural Theory	4 CR	Vrachliotis

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

Competence Goal
The students:

- are able to analyze a specific subarea of architectural theory in a systematic and differentiated manner.
- are capable of tackling a topic, given or self-chosen, in the sense of "discursive practice" and are able to assess it using current architectural practice. They know the needed architectural vocabulary and with the aid of this they can represent their views in a differentiated and easily comprehensible manner when involved in an interdisciplinary communicative exchange.
- have the ability to work out and interpret key content in architectural theory texts.
- can write an independent text in accordance with the methods of working scientifically. Due to their work in research groups their team skills are well trained.

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

Prerequisites
none

Content
In the module "Select Areas of the Theory of Architecture" subareas of architectural theory are dealt with. In the foreground there are basic questions focusing on the current and future state of the built-up environment. Interdisciplinary references to philosophy, cultural studies, the history of science and technology as well as current political and social conditions are a focal point.

Recommendation
Successful completion of the module "Theory of Architecture 1" and "Theory of Architecture 2".

Annotation
With excursion.

Workload
In-class time: Seminar 30 h

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

M 3.26 Module: Selected Topics of Architecture, Furniture and Design [M-ARCH-103581]

Responsible: Alex Dill
Organisation: KIT Department of Architecture
Part of: Specialization (Compulsory Elective Modules Specialisation)

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

Mandatory			
T-ARCH-107321	Selected Topics of Architecture, Furniture and Design	4 CR	Dill

Competence Certificate
Other examination requirements consisting of on oral presentation lasting 30 minutes with a follow-up academic discussion.

Competence Goal
The students:

- know the methods of theoretical work and design.
- can work scientifically and analytically.
- have gained architectural knowledge.
- have experience and competency in working individually or in groups, time management and acting in a target-oriented manner, in presenting as well as communicating.

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

Prerequisites
none

Content
This module should teach students about the theoretic as well as practical aspects of research, presentations and professional discussions on relevant topics. The contents are the current tendencies in architecture, interior rooms, art and design as well as knowledge and competencies in both designing and planning.

Workload
In-class time: Seminar 45 h

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

M 3.27 Module: Selected Topics of Art History [M-ARCH-103594]

Responsible: Prof. Dr. Oliver Jehle
Organisation: KIT Department of Architecture
Part of: Specialization (Compulsory Elective Modules Specialisation)

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

Mandatory			
T-ARCH-107335	Selected Topics of Art History	4 CR	Jehle

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 of about 15 pages.

Competence Goal
The students:

- are able to analyze a selected art-historical topic in a proper scientific manner and are able to present their work results within the framework of a presentation and a discussion

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

Prerequisites
none

Content
Taught and learned is basic knowledge on a selected topic in Art History of the Middle Ages, the Early Modern Period or the Modern Era.

Recommendation
Taking at least one lecture in "History of Art".

Annotation
In this module there are several courses available every semester with changing topics.

Workload
In-class time: Seminar 30 h
Self-study: Preparation/follow-up, written paper/project 90 h

M 3.28 Module: Selected Topics of Building Construction Analysis [M-ARCH-103588]

Responsible: Thomas Haug
Organisation: KIT Department of Architecture
Part of: Specialization (Compulsory Elective Modules Specialisation)

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

Mandatory			
T-ARCH-107328	Selected Topics of Building Construction Analysis	4 CR	Haug

Competence Certificate
Other examination requirements consisting of a term paper with a written and a drawing part in accordance with the layout requirements, 6-10 pages DIN B 4.

Competence Goal
The students:

- can undertake research on a chosen project.
- are able to use and work with secondary sources and, if necessary, also primary sources.
- are capable of analyzing a built project as well as being able to comprehend, clearly portray and visualize the design, the constructive execution and the materialization of the project.
- can assess and categorize projects with a view to architectural concepts and constructive realization.

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

Prerequisites
none

Content
The module allows the participating students to intensively deal with a realized project that is selected in a coordinated manner. After an intensive research and analysis period, the design and construction are drawn in a comprehensive manner. The results are recorded and summarized in a documentation which includes illustrations and text. Here the students portray the relationship between design idea and the actual material-based, constructive realization of the project.

Workload
In-class time: Supervision 5 h
Self-study: Project work 115 h

M 3.29 Module: Selected Topics of Building History [M-ARCH-103595]

Responsible: Prof. Dr.-Ing. Joaquín Medina Warmburg
Organisation: KIT Department of Architecture
Part of: Specialization (Compulsory Elective Modules Specialisation)

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

Mandatory			
T-ARCH-107336	Selected Topics of Building History	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.

Competence Goal
The students:

- are capable of undertaking research, can study academic literature and sources as well as being able to work in a scientific manner.
- can work on a historical construction-focused single topic within the framework of a larger thematic complex.
- are able to present the results that they have worked out regarding a historical construction-focused topic in an oral, written and drawing form.

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

Prerequisites
none

Content
Working on a historical construction-focused single topic within the framework of a given topic. Introduction to working scientifically.

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 3.30 Module: Selected Topics of Building History 2 [M-ARCH-105564]

Responsible: Prof. Dr.-Ing. Joaquín Medina Warmburg
Organisation: KIT Department of Architecture
Part of: Specialization (Compulsory Elective Modules Specialisation)

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

Mandatory			
T-ARCH-111168	Selected Topics of Building History 2	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.

Competence Goal
The students:

- are capable of undertaking research, can study academic literature and sources as well as being able to work in a scientific manner.
- can work on a historical construction-focused single topic within the framework of a larger thematic complex.
- are able to present the results that they have worked out regarding a historical construction-focused topic in an oral, written and drawing form.

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

Prerequisites
none

Content
Working on a historical construction-focused single topic within the framework of a given topic. Introduction to working scientifically.

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 3.31 Module: Selected Topics of Building Physics [M-ARCH-103592]

Responsible: Dr.-Ing. Andreas Wagner
Organisation: KIT Department of Architecture
Part of: Specialization (Compulsory Elective Modules Specialisation)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each term	1 term	German	3	2

Election block: Selected Topics of Building Physics (at least 4 credits)			
T-ARCH-110400	Basics Sound Insulation	2 CR	Wagner
T-ARCH-110401	Basics of Fire Protection	2 CR	Wagner
T-ARCH-110402	Basics of Planning Energy-Efficient Buildings	2 CR	Wagner
T-ARCH-110403	Basics of Lighting Technology	2 CR	Wagner

Competence Certificate
Two oral exams of 15 minutes each on the contents of selected courses.

Competence Goal
Basics of Lighting Technology:

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.

Basics of Sound Insulation:
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.

Basics of Fire Protection:

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.

Module grade calculation
The module grade is the grade of the oral exams.

Prerequisites
none

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

The lecture **Lighting Technology** 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** 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-Efficient Buildings** 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.

Recommendation
The successful participation in the modules "Building Physics" and "Technical Building Equipment".

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 3.32 Module: Selected Topics of Building Technology [M-ARCH-103591]

Responsible: Prof. Dr.-Ing. Rosemarie Wagner
Organisation: KIT Department of Architecture
Part of: Specialization (Compulsory Elective Modules Specialisation)

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

Mandatory			
T-ARCH-107332	Selected Topics of Building Technology	4 CR	Wagner

Competence Certificate
Other examination requirements consisting of a presentation of the design in plans, building a model to a large scale and a written worked-out paper on the practical tutorials; in this a relationship to the design task must be presented.

Competence Goal
The students:

- can describe the dependencies of a spatial building envelope that consists of building materials, the supporting structure, the physical building and functional requirements as well as the production. All of this has to be related to the formal aspects regarding buildings.
- can apply simple experimental and numerical methods for the development of curved forms.
- can explain the requirements that come about regarding the design of building envelopes.
- can analyze the costs for the production of simple building envelopes based on selected building materials, joining techniques and construction methods.

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

Prerequisites
none

Content
This module teaches students the theoretical and practical aspects of construction methods for spatially curved building envelopes. Building envelopes made up of various different building materials are dealt with. The module gives an overview on the dependencies of the forms and shapes to building materials, construction methods, supporting structures and building physics. Knowledge is imparted so that students are able to analyze designs that include free forms.

Workload
In-class time: Seminar 45 h
Self-study: Preparation/follow-up, written paper/project 75 h

M 3.33 Module: Selected Topics of Building Technology [M-ARCH-103587]

Responsible: Studiendekan/in Architektur
Thomas Haug
Prof.Dipl.-Ing. Dirk Hebel
Prof. Matthias Pfeifer
Prof. Renzo Vallebuona
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 Modules Specialisation)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Irregular	1 term	German	3	1

Mandatory			
T-ARCH-107327	Selected Topics of Building Technology	4 CR	Haug, Hebel, Pfeifer, Vallebuona, von Both, Wagner, Wagner, Wappner

Competence Certificate
Other examination requirements consisting of a seminar paper in written and/or drawn form of maximum 20 pages and a presentation or an oral talk taking maximum 20 minutes.

Competence Goal
The students:

- have a well-founded vocabulary of building-technological and specialized terminology at their disposal.
- can work on building-technological tasks and questions within a design context.
- are able to consequently adjust their method of working based on manifold and partially contradictory influencing factors such as materials, function, design etc. within the framework of a structured working process.
- are able to select and apply suitable tools for the respective steps within the work process.

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

Prerequisites
none

Content
The focus content-wise is on the building-technical work on a certain topic. Hereby questions dealing with the fields of building construction, sustainable building, methods of design, structural support planning, material science, the history of building technology, building technology, building physics, technical equipment and extensions or the building lifecycle management are worked on.

Annotation
Only one of the courses on offer can be chosen. The individual courses are only offered on an irregular basis. The respective offers and their topics are listed in the course catalog.

Workload
In-class time: Seminar 45 h

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

M 3.34 Module: Selected Topics of Communication in Architecture [M-ARCH-103586]

Responsible: Prof. Dr. Riklef Rambow
Organisation: KIT Department of Architecture
Part of: Specialization (Compulsory Elective Modules Specialisation)

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

Mandatory			
T-ARCH-107326	Selected Topics of Communication in Architecture	4 CR	Rambow

Competence Certificate
Other examination requirements consisting of a presentation/oral report taking 30 minutes and a written paper of max. 20 pages.

Competence Goal
The students:

- can select in a targeted manner and design visual as well as verbal presentation media in order to be able to make their design thoughts and ideas easily understandable and to communicate these in a convincing manner.
- know what a narrative structure is, what types of structures there are and how they can optimally exploit their rhetorical potential in order to be able to convince a variety of target audiences.
- recognize important performative aspects regarding the presentation of designs, being also able to analyze and evaluate these. They can produce and formulate a script for their own, independent presentation.
- can work in a self-organized and reflected manner, they have organizational competencies at their disposal as well as the social competence to give and to receive critical feedback.

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

Prerequisites
none

Content
The course's focus is on the successful teaching and understanding of the qualities of architectural designs. Based on communication-psychological and rhetorical approaches it is demonstrated how a customized, argumentatively consistent strategy for portrayals and presentations can be developed and realized in a convincing manner using media tools. Visual formats such as sketches, various different forms of plans, photos and perspectives are critically discussed and tested as well as optimized as to their communicative limits and possibilities. Through practical application with written and oral feedback techniques basic communication skills are systematically trained.

Recommendation
Successful participation in the module "Architecture Communication and Working Scientifically".

Workload
In-class time: Seminar 30 h
Self-study: Preparation/follow-up, written paper/project 90 h

M 3.35 Module: Selected Topics of Descriptive Geometry [M-ARCH-103578]

Responsible: Udo Beyer
Organisation: KIT Department of Architecture
Part of: Specialization (Compulsory Elective Modules Specialisation)

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

Mandatory			
T-ARCH-107318	Selected Topics of Descriptive Geometry	4 CR	Beyer

Competence Certificate
Other examination requirements consisting of a project documentation in the form of a composition of the contents of the lectures and tutorials or the seminar as an own project and presentation (duration approx. 10 minutes). This includes documentation (in the form of texts or plans/posters) of same.

Competence Goal
The students:

- have acquired knowledge on a specialized area of geometry and can apply this for questions relating to the architectural design context.
- can execute research using scientific methods as well as being able to plan experiments or tests and can deduce their own conclusions from these.

Module grade calculation
The module grade is the grade of the written exam.

Prerequisites
none

Content
This module provides an introduction to various different areas of geometry with changing topics.

Workload
Class attendance: Lectures, tutorials 45 h

Independent study: preparing/follow-up work, exam preparation, project work 75 h

M 3.36 Module: Selected Topics of Drawing [M-ARCH-103579]

Responsible: Udo Beyer
Organisation: KIT Department of Architecture
Part of: Specialization (Compulsory Elective Modules Specialisation)

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

Mandatory			
T-ARCH-107319	Selected Topics of Drawing	4 CR	Beyer

Competence Certificate
Other examination requirements consisting of the drawings made during the excursion.

Competence Goal
The students:

- have confronted and dealt with their own individual positions and perceptions using the drawings and can observe and assess these on a new level.

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

Prerequisites
none

Content
Introductory seminar to concepts of perception and artistic practice. Practicing one's own approach to things by drawing on an excursion.

Annotation
With excursion.

Workload
In-class time: Seminar, Excursion 90 h

Self-study components: preparing/follow-up work 30 h

M 3.37 Module: Selected Topics of Fine Art 1 [M-ARCH-103582]

Responsible: Prof. Stephen Craig
Organisation: KIT Department of Architecture
Part of: Specialization (Compulsory Elective Modules Specialisation)

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

Mandatory			
T-ARCH-107322	Selected Topics of Fine Art 1	4 CR	Craig

Competence Certificate
Other examination requirements consisting of handing in and presenting the semester works produced during the semester (scope, number and type vary according to the topic).

Competence Goal
The students:

- can apply drawing techniques.
- are able to record the proportions and the layout of an object and are able to translate this in a drawn atmospheric image composition.
- have developed creative potential as well as having sharpened their own personal perceptive skills.
- are able to conceptually work out a topic with the aim of postulating their own thesis and to realize this whilst working freely on a project.
- can critically assess and question as well as being able to come up with comparative deductions.
- are able to select the right means and forms for their statements and produced work.

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

Prerequisites
none

Content
In this module changing topics in various forms of expression as, for example, (nude) drawing, plastic and sculptural design, book design etc. are all taught. At the beginning observing, perceiving and targeted questioning of that what one is focusing on as well as intensively dealing with the topic all build the fundamentals for the design process as a whole. The insights gained are analyzed, interpreted and formulated into an own statement. After the students have found their topic, their concept, they can then realize this by working freely.

Recommendation
Successful completion of the module "Visual and Sculptural Design".

Workload
In-class time: Seminar / Tutorials 45 h

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

M 3.38 Module: Selected Topics of Fine Art 2 [M-ARCH-103583]

Responsible: Prof. Stephen Craig
Organisation: KIT Department of Architecture
Part of: Specialization (Compulsory Elective Modules Specialisation)

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

Mandatory			
T-ARCH-107323	Selected Topics of Fine Art 2	4 CR	Craig

Competence Certificate
Other examination requirements consisting of handing in and presenting the semester works produced during the semester (scope, number and type vary according to the topic). Mandatory and a prerequisite is the regular participation in class.

Competence Goal
The students:

- can apply drawing techniques.
- are able to record the proportions and the layout of an object and are able to translate this in a drawn atmospheric image composition.
- have developed creative potential as well as having sharpened their own personal perceptive skills.
- are able to conceptually work out a topic with the aim of postulating their own thesis and to realize this whilst working freely on a project.
- can critically assess and question as well as being able to come up with comparative deductions.
- are able to select the right means and forms for their statements and produced work.

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

Prerequisites
Successful completion of the module "Select Areas of the Visual Arts 1"

Content
In this module changing topics in various forms of expression as, for example, (nude) drawing, plastic and sculptural design, book design etc. are all taught. At the beginning observing, perceiving and targeted questioning of that what one is focusing on as well as intensively dealing with the topic all build the fundamentals for the design process as a whole. The insights gained are analyzed, interpreted and formulated into an own statement. After the students have found their topic, their concept, they can then realize this by working freely.

Recommendation
Successful completion of the module "Visual and Sculptural Design".

Workload
In-class time: Seminar / Tutorials 45 h

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

M 3.39 Module: Selected Topics of Structural Design [M-ARCH-104513]

Responsible: Prof. Matthias Pfeifer
Prof. Dr.-Ing. Rosemarie Wagner
Organisation: KIT Department of Architecture

Part of: Specialization (Compulsory Elective Modules Specialisation)

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

Mandatory			
T-ARCH-109243	Selected Topics of Structural Design	4 CR	Pfeifer, Wagner

Competence Certificate
Other examination requirements consisting of seminar papers 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.

Competence Goal
The students:

- have the vocabulary of the terminology of load-bearing and supporting structures at their command.
- can grasp and record structures and subcategorize these into partial supporting structures.
- are able to analyze and realize different topics in a support structure planning way.
- can integrate this knowledge in one's own design process and be able to draft and design load-bearing support structures.

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

Prerequisites
none

Content
Based on the basic knowledge gained from the mandatory courses in the field of support structure planning, these are gone into in-depth and applied by working on a topic in a supporting structure planning way. The necessary skills for in-depth design methods of supporting structure planning are also taught.

Annotation
Maybe with a mandatory excursion.

Workload
In-class time: Seminar 45 h
Self-study: Preparation/follow-up, written paper/project 75 h

M 3.40 Module: Selected Topics of Sustainability [M-ARCH-103684]

Responsible: Prof.Dipl.-Ing. Dirk Hebel
Organisation: KIT Department of Architecture
Part of: Specialization (Compulsory Elective Modules Specialisation)

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

Mandatory			
T-ARCH-107426	Selected Topics of Sustainability	4 CR	Hebel

Competence Certificate
Other examination requirements consisting of a worked out, written paper of a self-chosen topic within the framework of the seminar, having coordinated this with the lecturer beforehand.

Competence Goal
The students:

- understand the influence and effects of the usage of extracted and extended resources and raw materials in the construction industry.
- are able to understand and independently assess the complete lifecycle of a building product with regard to its sustainability.
- are capable of applying their knowledge for the usage, and eventually (if there is interest), for the research and invention of new and alternative building materials.

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

Prerequisites
none

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 reusage of our material resources. This requires the (re)discovery, research and development of alternative building materials and a transition in their industrial application. The aim of the joint seminar work which includes lectures, discussions, oral presentations, experiments as well as a final written paper is to highlight the potential and application possibilities of such alternative building materials within a sustainable, industrialized construction industry.

Workload
In-class time: Seminar 30 h

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

M 3.41 Module: Selected Topics of Urban Design [M-ARCH-103593]

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

Organisation: KIT Department of Architecture

Part of: Specialization (Compulsory Elective Modules Specialisation)

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

Mandatory			
T-ARCH-107334	Selected Topics of Urban Design	4 CR	Bava, Engel, Neppl

Competence Certificate
Other examination requirements consisting of a term paper in written and/or drawn form to the scope of maximum 20 pages and a presentation or an oral talk of maximum 20 minutes duration.

Competence Goal
The students:

- can avail of a well-founded vocabulary when it comes to urban development/planning and discipline-specific terminology.
- are able to structure and portray manifold and partially contradictory urban development or landscape planning problems and themes.
- have basic knowledge of how to work scientifically and are able to work out their own positions on the topic. They can present this discipline-specific knowledge in a fitting manner and form.

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

Prerequisites
none

Content
The contents of the module are working on an urban development topic. Hereby questions from the fields of city district planning, international urban development, landscape architecture or regional planning are worked on.

Annotation
The individual courses are on offer only on an irregular basis. The respective courses on offer as well as the topics are listed in the course catalogue.

Workload
In-class time: Seminar 45 h

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

M 3.42 Module: Selected Topics of Urban Design - Workshop [M-ARCH-103811]

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

Organisation: KIT Department of Architecture

Part of: Specialization (Compulsory Elective Modules Specialisation)

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

Mandatory			
T-ARCH-107697	Selected Topics of Urban Design - Workshop	4 CR	Bava, Engel, Neppl

Competence Certificate
Other examination requirements consisting of a term paper in written and/or drawn form to the scope of maximum 20 pages and a presentation or an oral talk of maximum 20 minutes duration.

Competence Goal
The students:

- can avail of a well-founded vocabulary when it comes to urban development and discipline-specific terminology.
- are able to structure and portray manifold and partially contradictory urban development or landscape planning problems and topics.
- have basic knowledge of how to work scientifically and are able to work out their own positions on a topic. They can present this discipline-specific knowledge in a suitable form.
- can develop their own opinions on urban development questions and can represent these during discussions.

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

Prerequisites
none

Content
The contents of the module is working on an urban development topic within the framework of, for example, a workshop, a summer university course or an excursion.

Annotation
The individual courses are only offered on an irregular basis. The respective offers and their topics are listed in the course catalog.

Workload
In-class time: Seminar/Workshop/Excursion 90 h
Self-study: Preparation/follow-up, written paper/project 30 h

M 3.43 Module: Selectet Topics of Building Studies and Design [M-ARCH-103577]

Responsible: Alex Dill
Prof. Marc Frohn
Prof. Simon Hartmann
Prof. Meinrad Morger

Organisation: KIT Department of Architecture

Part of: Specialization (Compulsory Elective Modules Specialisation)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Irregular	1 term	German	3	1

Mandatory			
T-ARCH-107317	Selectet Topics of Building Studies and Design	4 CR	Dill, Frohn, Hartmann, Morger

Competence Certificate
Other examination requirements consist, as a rule, of seminar papers in written and/or drawn form to the scope of, as a rule, maximum 40 pages and a presentation or an oral presentation taking maximum 20 minutes as a whole.

Competence Goal
The students:

- can avail of a well-founded vocabulary of the terminology used within design practice and theory.
- can work out, analyze and reflect on architectural spaces within social, cultural and technological contexts.
- are able to thematically describe and analyze their work methodology, based on multifaceted 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 suitable tools for the respective steps within their work processes.

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

Prerequisites
none

Content
The topic that they will work on is chosen by the students themselves and must be communicated to and coordinated with the teachers. At the start of the semester the students have to produce a short exposé which clearly defines the question/ topic, relevance, aims and ways of approaching the subject matter. During the course of the semester an in-depth analysis and working out of the topic takes place. The content-related focus is on the interaction and analysis with topics having to do with architectural spaces, building planning and building theory. Getting closer to the core issues is done by examining relevant reference projects, various different design approaches and/or design processes as well as dealing with the architectural vocabulary. These should be placed within cultural, social and technological contexts and thematically analyzed.

Annotation
Only one of the four courses can be chosen. The individual courses are on offer at irregular intervals.

Workload
In-class time: Seminar 30 h

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

M 3.44 Module: Static and Strength of Materials [M-ARCH-103555]

Responsible: Prof. Dr.-Ing. Rosemarie Wagner
Organisation: KIT Department of Architecture
Part of: Construction Technology

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each summer term	1 term	German	3	2

Mandatory			
T-ARCH-107292	Static and Strength of Materials	4 CR	Wagner
T-ARCH-109234	Static and Strength of Materials - Practical Course	0 CR	Wagner

Competence Certificate
Written exam taking 300 minutes.

Requirement for the exam application is having passed the coursework "Statics and the Science of Material Strengths - Tutorial". This is made up of several semester-accompanying tutorials that are directly related to the lecture contents.

Competence Goal
The students:

- can analyze simple supporting structures.
- are able to organize the spatial structure of the supporting structures.
- can describe the load carrying and its effects on the supporting structure and are able to portray the hierarchy of the supporting structure within the structure as a whole.
- can bring the structure with its spatial design into context with their own design.
- can explain the interconnections that result from the basics of construction statics when it comes to the measurements of the building components and can apply these onto simple supporting structures.
- can describe the basic laws of building statics and are able to apply these when developing a simple supporting structure.
- are able to communicate with the planners of supporting structures in their technical terminology and know about the theoretical relationships between form-determining sizes of the building components and supporting structures with regard to the internal load.
- are able to undertake simple calculations for a rough estimation of the dimensioning of components and to use the necessary aids for this in a proper, methodical manner.

Module grade calculation
The module grade is the grade of the written exam.

Prerequisites
none

Content
This module teaches students the theoretical and practical aspects for planning simple supporting structures. The basics of the effects of the transmission of torques and forces onto supporting structures and for building components are dealt with. In this module an overview of the spatial organization of simple supporting structures and the knowledge about the laws of fundamental construction statics for practical application within supporting structures is given. This knowledge is used for the analysis of the supporting structure of the design project in the module Studio Structures in order to describe and illustrate the load-bearing characteristics and the supporting structure itself in one’s own words.

Recommendation
Take this concurrently with the module "Studio Structure".

Workload
Class attendance: Lectures, tutorials 60 h

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

M 3.45 Module: Structural Analysis [M-ARCH-103590]

Responsible: Prof. Matthias Pfeifer
Organisation: KIT Department of Architecture
Part of: Specialization (Compulsory Elective Modules Specialisation)

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

Mandatory			
T-ARCH-107330	Structural Analysis	4 CR	Pfeifer

Competence Certificate
Other examination requirements consisting of the supporting structure analysis of an existing building that is drawn up during the semester, the presentation of the results in an oral talk of about 20 minutes duration and a written paper of maximum 20 pages. The work takes place in groups of two and regular supervision respectively corrections take place.

Competence Goal
The students:

- can carry out independent research on a building, especially when it comes to the supporting structure of said building.
- are able to analyze and interpret the researched data.
- can portray the analyzed structure in an abstract manner and can clearly explain its functions and operating principles.

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

Prerequisites
none

Content
In the course existing buildings are looked at regarding their building history, historical background, building typology and construction. A special focus is on the analysis of the supporting load-bearing structure. In every semester a new thematic focus is dealt with.

Recommendation
Successful completion of the module "Structural Design".

Annotation
With a mandatory excursion.

Workload
In-class time: Seminar 45 h

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

M 3.46 Module: Structural Design [M-ARCH-103558]

Responsible: Prof. Matthias Pfeifer
Organisation: KIT Department of Architecture
Part of: Construction Technology

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each winter term	1 term	German	3	2

Mandatory			
T-ARCH-107295	Structural Design	4 CR	Pfeifer
T-ARCH-109235	Structural Design - Practical Course	0 CR	Pfeifer

Competence Certificate
Written exam taking about 180 minutes on the contents of the lecture.

Requirement for the exam application is having passed the completed coursework "Supporting Structure Design Composition of the Studio Design". This consists of the semester-accompanying structural design composition of the draft project in the module "Studio Material" which is to be worked on and produced during the semester. Working on the design project takes place in the same groups as in the module "Studio Material". In the course of the semester up to three supervisions resp. corrections take place. This part of the progress monitoring occurs during one's studies in the framework of up to two intermediate and one final presentation together with the presentation in the "Studio Material". There the worked out results in the formats drawings, models, texts and presentations are portrayed and evaluated. The presentation duration of the supporting structure design composition is approx. 5 minutes per group.

Competence Goal
The students:

- know the basic terminology of load-bearing constructions and supporting structures.
- have the skills, based on this basic knowledge, to be able to work and successfully cooperate with structural planers and engineers during the design, planning and construction phases.
- are able to analyze the load-bearing capacity and the principles of different types of supporting structures, are able to grasp the different possibilities of the load transfer within a structure and can quickly assess the dimensions and volumes of the different powers at play.
- understand the decisive influence of the specific building material characteristics on the load-bearing capacity and can apply this knowledge in a targeted manner for the fulfillment of stipulated building conditions.
- are able to understand the building design parameters resulting from the choice of building materials used and to be able to roughly estimate the dimensions of individual building elements whilst taking into account the various supporting structures needed.
- know the various supporting structure types and systems with their specific advantages and disadvantages as well as knowing the methods to roughly estimate building elements of these supporting structure systems.
- recognize the relation between load-bearing construction, material selection, building details and architectural design results and being able to grasp the fact that the supporting structure design is an integral part of the design as a whole.
- can apply the knowledge learned for their own studio design drafts, can select various supporting structures with regard to material, function and design/shape and are able to successfully integrate these into their design draft process.

Module grade calculation
The module grade is the grade of the written exam.

Prerequisites
none

Content
In the module the Science of Supporting Structures both the basic functions and the effects emanating from the various different important supporting structures (physical and technical basics) are taught in addition to, and especially, the significance of the supporting structure design in the architectural design process with a view to form, function, sustainability and design/shape. Based on examples, the different types of supporting structures and their variants regarding features and usage possibilities are presented and analyzed. Basic load-bearing constructions such as one or multiple-field supports, trusses, framework supporting structures, arch or rope constructions but also special types of supporting structures such as reinforced concrete structures, hall structures or modular structures (e.g. prefabricated lightweight construction systems) are discussed. Another topic is the bracing or reinforcing of buildings or even the "construction below zero". Here there is a special emphasis on the influence of material characteristics upon construction and design of building elements and structures; i.e. construction using the proper materials.

Recommendation
Take this concurrently with the module "Studio Material".

Workload
Class attendance: Lectures, tutorials 60 h

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

M 3.47 Module: Studio Context [M-ARCH-103550]

Responsible: Prof. Henri Bava
Prof. Dr.-Ing. Barbara Engel
Organisation: KIT Department of Architecture
Part of: Designing

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
10	Grade to a tenth	Each summer term	1 term	German	3	2

Mandatory			
T-ARCH-109961	Design in Studio Context	10 CR	Bava, Engel

Competence Certificate
Other examination requirements consisting of design work produced during the semester. Working on the design task takes place in groups of four, there are regular supervisory meetings respectively corrective inputs that take place. The progress monitoring takes place during one's studies within the frame of up to two intermediate and one final presentation. There the worked out results are presented and evaluated in the form of drawings, models, texts and presentations. The time frame for the presentation is approx. 20 minutes per group.

Competence Goal
The students:

- can with the aid of various methods analyze, structure and formally describe problems in the field of urban planning design.
- are able to recognize urban planning processes and to independently work on integrative solutions to problems.
- are able to articulate their design ideas orally, in writing, as drawings and as models.
- are able to work in and with a team, are able to organize their work processes in a timely and content-related manner as well as being able to present the work results in an appropriate manner, including presenting to third parties.

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

Prerequisites
Successful completion of the module "Studio Material".

Content
Within the project a large-scale design is developed that covers various different scale and size levels all within an urban context. The module also covers having a look at cities and urban areas, landscapes and settlements within their individual contexts. The knowledge and competencies gained in the module "Basics of Urban Planning" are practically applied within the project.

Recommendation
Take this module along with the modules "Basics of Urban Planning", "Principles of Building Studies and Design" and "Urban Developent and Construction Planning Law".

Annotation
Only one of the three courses can be booked. An even distribution of the students for the three courses/professors takes place in accordance with an allocation procedure based on priorities.

With a mandatory excursion.

Workload
In-class time: Supervision/presentations 45 h

Self-study components: Development of an architectural design 225 h

M 3.48 Module: Studio Material [M-ARCH-103549]

Responsible: Prof. Ludwig Wappner
Organisation: KIT Department of Architecture
Part of: Designing

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
10	Grade to a tenth	Each winter term	1 term	German	3	2

Mandatory			
T-ARCH-109960	Design in Studio Material	10 CR	Wappner

Competence Certificate
Other examination requirements consisting of architectural design work produced during the semester. Working on the design task takes place in groups of two, there are regular supervisory meetings respectively corrective inputs that take place. The progress monitoring takes place during one's studies within the frame of up to two intermediate and one final presentation. There the worked out results are presented and evaluated in the form of drawings, models, texts and presentations. The time frame for the presentation is approx. 15 minutes per group.

Competence Goal
The students:

- can apply methods for the working out and evaluation of alternative solutions for medium complexity design and construction tasks.
- are able to portray various dimensional spaces in both cross-section and layout planning.
- can systematically structure both the shell and the supporting structure.
- are able to plan and evaluate lighting and atmosphere of large spaces.
- can systematically select concepts and optimize these, can work on these in an exemplary manner and make these more precise in a constructive manner with the focus on clarifying what materials should be used.

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

Prerequisites
Successful completion of the module "Studio Structure".

Modeled Conditions
The following conditions have to be fulfilled:

1. The module M-ARCH-103548 - Studio Structure must have been passed.

Content
In this module knowledge about and skills for designing and constructing based on medium complexity tasks from the field of civil engineering are taught. Here the focus is on the clarifying the context, the spatial functional and constructive structure whilst taking into special account the material and system-related structural joining principles. Especially the materialization of the designs is looked at and knowledge about structural design and technical building systems is incorporated.

Recommendation
Take this module along with the modules "Building Construction", "Structural Design" and "Technical Building Systems".

Annotation
Only one of the three courses can be booked. An even distribution of the students for the three courses/professors takes place in accordance with an allocation procedure based on priorities.

With a mandatory excursion.

Workload
In-class time: Supervision/presentations 60 h

Self-study components: Development of an architectural design 240 h

M 3.49 Module: Studio Space [M-ARCH-103547]

Responsible: Prof. Marc Frohn
Organisation: KIT Department of Architecture
Part of: Designing

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
10	Grade to a tenth	Each winter term	1 term	German	3	2

Mandatory			
T-ARCH-109958	Design in Studio Space	10 CR	Frohn

Competence Certificate
Other examination requirements consisting of architectural design work produced during the semester. Working on the design task takes place in groups of two, there are regular supervisory meetings respectively corrective inputs that take place. The progress monitoring takes place during one's studies within the frame of up to two intermediate and one final presentation. There the worked out results are presented and evaluated in the form of drawings, models, texts and presentations. The time frame for the presentation is approx. 15 minutes per group.

Competence Goal
The students:

- have a basic understanding of the significant cultural, social and technological dimensions of spatial studies and architecture.
- can recognize basic architectural elements and spatial strategies, can analyze their conforming principles and can apply these in their own design work. They can, under supervision, formulate simple ideas and concepts and, under guidance, can develop simple spatial approaches based on this.
- are capable of transferring and integrating the design concept, based on fundamental influencing factors such as context, function, light etc., into a building within the framework of a structured design process. In addition, they can work out variants and compare these during the design draft process.
- can describe, portray, analyze, individually design and evaluate architectural spaces and spatial sequences regarding geometry, light and usage. They have at their command a basic spatial understanding and imaginative power as well as being able to create basic spatial relations and connections.
- understand the basic design-oriented and order-building principles, can develop these as well as being able to apply these.
- grasp the fundamental principles of architectural drawings and design as well as model building.
- recognize basic spatial and architectural relations within their setting.

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

Prerequisites
None

Content
In the studio, parallel to the lecture "Basics of Design Theory – Architectural Thinking 1", the basics of architectural design are taught. During the course of the semester architectural queries with increasing levels of complexity based on analysis and design tasks are worked on. Fundamental knowledge of architectural elements, bodies, space (spatial sequences), context, spatial programs as well as the relationship to humans and their perception are all taught.

Recommendation
Take this module along with the module "Basics of Design Theory".

Annotation
Only one of the three courses can be booked. An even distribution of the students for the three courses/professors takes place in accordance with an allocation procedure based on priorities.

With a mandatory excursion.

Workload
In-class time: Supervision/presentations 60 h

Self-study components: Development of an architectural design 240 h

M 3.50 Module: Studio Structure [M-ARCH-103548]

Responsible: Prof. Ludwig Wappner
Organisation: KIT Department of Architecture
Part of: Designing

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
10	Grade to a tenth	Each summer term	1 term	German	3	2

Mandatory			
T-ARCH-109959	Design in Studio Structure	10 CR	Wappner

Competence Certificate
Other examination requirements consisting of architectural design work produced during the semester. Working on the design task takes place in groups of two, there are regular supervisory meetings respectively corrective inputs that take place. The progress monitoring takes place during one's studies within the frame of up to two intermediate and one final presentation. There the worked out results are presented and evaluated in the form of drawings, models, texts and presentations. The time frame for the presentation is approx. 15 minutes per group.

Competence Goal
The students:

- learn methods regarding the development, working on and evaluation of alternative solutions for design and construction tasks that have a low complexity level.
- are able to develop projects from the urban planning stage to the principle spatial disposition all the way to materialization and the joining of building components.
- can develop concepts in a systematic manner, select alternatives as well as being able to optimize these.
- are able to work through these in an exemplary and detailed manner and to constructively make these more precise with a focus on the clarification of the building structure.

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

Prerequisites
Successful completion of the module "Studio Space".

Content
This module teaches the basics of design and construction based on low-complexity design tasks coming from the field of civil and structural engineering. Here the focus is on clarifying the context, the spatial functional and constructive structure whilst taking into special account the material-related and system-related structural joining principles.

Recommendation
Recommendation: Take this module along with the module "Basics of Building Construction"

Annotation
Only one of the three courses can be booked. An even distribution of the students for the three courses/professors takes place in accordance with an allocation procedure based on priorities.

With a mandatory excursion.

A part of the orientation exam.

Workload
In-class time: Supervision/presentations 60 h

Self-study components: Development of an architectural design 240 h

M 3.51 Module: Studio System [M-ARCH-103551]

Responsible: Prof.Dipl.-Ing. Dirk Hebel
Organisation: KIT Department of Architecture
Part of: Integral Designing

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
10	Grade to a tenth	Each winter term	1 term	German	3	2

Mandatory			
T-ARCH-109962	Design in Studio System	10 CR	Hebel

Competence Certificate
Other examination requirements consisting of architectural design work produced during the semester. Working on the design task takes place individually or in groups; regular supervision respectively corrective sessions take place. The progress monitoring takes place during one's studies within the frame of up to two intermediate and one final presentation. There the worked out results are presented and evaluated in the form of drawings, models, texts and presentations.

Competence Goal
The students:

- are able to work on a complex planning project. For this they learn both the ability to analyze the context as well as being able to create usage, development, access and layout concepts.
- are able to name targeted and those aspects that are relevant for their respective designs regarding sustainable building methods and are able to transfer these into an architectural design.
- can apply all of the already learned competencies in the areas of building physics, technical systems and structural support planning onto a complex topic and recognize the integration of the various disciplines in the design process as an essential basis for sustainable building.
- are able to work out a suitable presentation and portrayal concept which also includes a 3D presentation of the project.

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

Prerequisites
none

Content
In the studio "Order" the basics that are taught in the module "Sustainable Building" are transferred to an architectural design draft, then evaluated and discussed. In the course of the semester a complex planning project from the field of residential and housing construction will be worked on at various scale levels, all based on analysis and design tasks. Through the integration of the disciplines Structural Support Planning, Construction Physics and Technical Extension into the design project itself one can then define and fully understand what is meant by the term "sustainable building". This is an interdisciplinary approach which is undertaken in an integrative manner.

Recommendation
Due to the simultaneous mandatory attendance of the lecture "Sustainable Building" synergies are given so that the gained insights from the various disciplines and scale levels can be transferred to and, of course, integrated into the architectural design project.

Annotation
Only one of the three courses can be booked. An even distribution of the students for the three courses/professors takes place in accordance with an allocation procedure based on priorities.

With a mandatory excursion.

Workload
In-class time: Supervision/presentations 60 h

Self-study components: Development of an architectural design 240 h

M 3.52 Module: Sustainability [M-ARCH-103552]

Responsible: Prof.Dipl.-Ing. Dirk Hebel
Organisation: KIT Department of Architecture
Part of: Integral Designing

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

Mandatory			
T-ARCH-107289	Sustainability	4 CR	Hebel

Competence Certificate
Other examination requirement that consists of an oral discussion on the topics of the lecture.

Competence Goal
The students:

- know the basics of sustainable building.
- know the important milestones, models and systems for categorizing and evaluating sustainable concepts within construction.
- have gained knowledge on the interaction of ecological, economical, social, ethical and aesthetic sustainability within construction.
- can – even if these are partially contradictory – recognize, evaluate and weigh the requirements coming from the various disciplines regarding the aspect of sustainability.
- are able to realize the knowledge gained within the architectural design project.

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

Prerequisites
none

Content
In this module the basics as well as thoughts dealing with the topic of sustainable building are presented and discussed. Thereby, on the one hand, the significance of the topic within its historical dimension is highlighted as well as, on the other hand, the relevance for future construction projects. The question as to the sensible and ethical use of natural resources within construction is the focal point of what is being examined. Thereby, a differentiation is made between usage and consumption of our natural living conditions. Presented are models and positions on construction based on cycles, certification models, integral planning, lifecycle assessment, energy consumption and needs as well as the provision thereof, the minimization of material usage, customer satisfaction, participation in design processes all the way to large-scale looks at land distribution and urban planning tasks. The term sustainability is therefore discussed within its ecological, economical, social, ethical and aesthetic dimension, specifically for future building tasks. Students should be able to reflect the described topics independently and critically as well as being able to integrate these into their design plans as a matter of fact.

Recommendation
Due to the simultaneous mandatory attendance of "Studio Order" synergies are given so that the gained insights from the various disciplines and scale levels can be transferred to and, of course, integrated into the architectural design project.

Workload
In-class time: Supervision/presentations 30 h

Self-study components: Development of an architectural design 90 h

M 3.53 Module: Theory of Architecture 1 [M-ARCH-103561]

Responsible: Prof. Dr Georg Vrachliotis
Organisation: KIT Department of Architecture
Part of: Theoretical and Historical Basics

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each winter term	1 term	German	3	2

Mandatory			
T-ARCH-107298	Theory of Architecture 1	4 CR	Vrachliotis
T-ARCH-109236	Theory of Architecture 1 - Practical Course	0 CR	Vrachliotis

Competence Certificate
Other examination requirements consisting of an Open Book Upload exam. The task is digitally supported and must be completed within a defined time window of 90 minutes from home. Aids are permitted. Students download the tasks as a file at the beginning of the time window, work on them digitally and upload the results as a submission immediately after the end of the processing time in a limited time window. The submission includes the declaration of independent processing and indication of the aids.

Requirement for the exam application is having passed the completed coursework "Architecture Theory 1 - Tutorial". This consists of the weekly compilation of written position papers on the respective lecture topics of approx. half an A4 page. The minimum number of position papers that have to be handed in will be made public at the start of the university semester (approx. half of the number of lectures).

Competence Goal
The students:

- are familiar with the developments in architecture theory and the basics of modern architectural theories and have acquired context knowledge on society, philosophy and culture.
- can identify architectural styles of thought and designs within the respective historical (time-wise) and cultural context and can recognize the relevance for the current ongoing architectural discourse.
- have knowledge regarding the fundamental scientific and theoretical argumentation and know about the essential methods of scientific research, academic work and critical architectural analyses.
- have developed an understanding for the design relevance of theories. By confronting and dealing with architecture-specific fields of discourse they are able to understand architecture theory as the basis for socially responsible planning, design, administrative or analytical tasks.

Module grade calculation
The module grade is the grade of the written exam.

Prerequisites
none

Content
In the modules "Architecture Theory 1" and "Architecture Theory 2" interdisciplinary architectural models of thought are analyzed, put into historic contexts and theoretically reflected on. By confronting various terms and definitions such as «Function, use, comfort», «Perception, atmosphere, staging», «Myth nature – construction, environment, resource», «Design tools and instruments of awareness» and «Logistic landscapes. Infrastructure, power and global availability» basic questions as to the relationship of object and theory in architecture are brought up and discussed. Special attention is given to political thought in general as well as current social trends. Both modules are conceived as consecutive and interrelated modules.

Annotation
A part of the orientation exam. If necessary with excursion.

Workload
Class attendance: Lectures 60 h

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

M 3.54 Module: Theory of Architecture 2 [M-ARCH-103562]

Responsible: Prof. Dr Georg Vrachliotis
Organisation: KIT Department of Architecture
Part of: Theoretical and Historical Basics

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each summer term	1 term	German	3	2

Mandatory			
T-ARCH-107299	Theory of Architecture 2	4 CR	Vrachliotis
T-ARCH-109237	Theory of Architecture 2 - Practical Course	0 CR	Vrachliotis

Competence Certificate
Other examination requirements consisting of an Open Book Upload exam. The task is digitally supported and must be completed within a defined time window of 90 minutes from home. Aids are permitted. Students download the tasks as a file at the beginning of the time window, work on them digitally and upload the results as a submission immediately after the end of the processing time in a limited time window. The submission includes the declaration of independent processing and indication of the aids.

Requirement for the exam application is having passed the completed coursework "Architecture Theory 1 - Tutorial". This consists of the weekly compilation of written position papers on the respective lecture topics of approx. half an A4 page. The minimum number of position papers that have to be handed in will be made public at the start of the university semester (approx. half of the number of lectures).

Competence Goal
The students:

- can deal with the most important basic terminology and current architectural theories on the topics of architecture and urbanism. In addition to this, they have gained in-depth knowledge on the social, technological, media-related and cultural conditions of architectural practice.
- can differentiate, analyze and formulate complex architectural concepts in their respective cultural, historical, social and political contexts as well as being able to do this for their significance with a view to the current architectural discourse.
- have developed an in-depth and differentiated understanding for the relevance of theory for the architectural design project.
- are, in addition, capable of arguing in a scientific-theoretical manner and in applying the basic methods of scientific research and academic work as well as critical architecture analysis.

Module grade calculation
The module grade is the grade of the written exam.

Prerequisites
none

Content
In the modules "Architecture Theory 1" and "Architecture Theory 2" interdisciplinary architectural models of thought are analyzed, put into historic contexts and theoretically reflected on. By confronting various terms and definitions such as «Function, use, comfort», «Perception, atmosphere, staging», «Myth nature – construction, environment, resource», «Design tools and instruments of awareness» and «Logistic landscapes. Infrastructure, power and global availability» basic questions as to the relationship of object and theory in architecture are brought up and discussed. Special attention is given to political thought in general as well as current social trends. Both modules are conceived as consecutive and interrelated modules.

Recommendation
Successful completion of the module "Theory of Architecture 1"

Workload
Class attendance: Lectures 60 h

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

M 3.55 Module: Urban Developent and Construction Planning Law [M-ARCH-103573]

Responsible: Prof. Markus Neppl
Organisation: KIT Department of Architecture
Part of: Urban- and Landscape Planning

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each summer term	1 term	German	3	2

Mandatory			
T-ARCH-107310	Urban Developent and Construction Planning Law	4 CR	Menzel, Neppl
T-ARCH-110885	Urban Development - Practical Course	0 CR	Neppl

Competence Certificate
Written exam lasting 120 minutes on the contents of the lecture. Requirement for the exam application is having passed the completed coursework "Urban Development - Tutorial". This consists of several tutorials on the contents of the lecture that one has to undertake during the semester.

Competence Goal
The students:

- can differentiate between the formal and informal instruments or urban and regional planning.
- can apply the planning tools used for managing the type and scale of building usage.
- know the framework conditions for designing street and public spaces / spaced-out areas.
- understand the structure and contents of legal regulations (spatial planning laws, building planning and general building laws) and are able to read the corresponding plans and assess the admissibility of planned proposals or projects.
- know the legal stipulations on accessibility, fire protection, etc.

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

Prerequisites
none

Content
The tools of the trade for working on projects are in the foreground: historical, technical, legal and academic facts are presented in accordance with their influence on design-related decisions. In tutorials the learnings are practically applied. Basic knowledge on public building planning and building laws (federal as well as state regulations) is taught. The methods of the application of laws is also learned (e.g. reading spatial plans, zoning and land usage / development plans).

Workload
Class attendance: Lectures, tutorials 60 h

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

M 3.56 Module: Urban Development-, Building- or Art History 1 [M-ARCH-103574]

Responsible: Prof. Dr. Oliver Jehle
Prof. Dr.-Ing. Joaquín Medina Warmburg
Organisation: KIT Department of Architecture
Part of: Urban- and Landscape Planning

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

Mandatory			
T-ARCH-107311	Urban Development-, Building- or Art History 1	4 CR	Jehle, Medina Warmburg

Competence Certificate
Written exam lasting 120 minutes on the contents of the respective lectures one has attended.

Competence Goal
The students:

- have gained knowledge on the history of Urban Development.
- are capable of recording and analyzing the relationships between historical and current topics of urban development as a solid basis for planning competencies.
- have an awareness of the historicism of architecture, knowledge on the conditions of its evolvement and the historical contexts as well as basic knowledge on the principal architectural buildings of each era, all based on the latest, up-to-date research.
- gain knowledge on the evolvement and development conditions of works of art and their historical contexts as well as basic knowledge on the major works of art of the late Middle Ages or the Baroque and Rococo period or the 20th century, all based on the latest, up-to-date research.

Module grade calculation
The module grade is the grade of the written exam.

Prerequisites
none

Content
Lecture History of Urban Development 1: Lecture series on the history of urban development from the beginning up to the 18th century.

Lecture History of Buildings 1: History of buildings from the beginning up to the 18th century.

Lecture History of Art: Art history from the late Middle Ages or the Baroque and Rococo period or the 20th century.

Vorlesung Stadtbaugeschichte 1: Vorlesungsreihe zur Geschichte des Städtebaus von den Anfängen bis ins 18. Jahrhundert.

Vorlesung Geschichte der Kunst: Kunstgeschichte des späten Mittelalters oder des Barock und Rokoko oder des 20. Jahrhunderts

Recommendation
Successful completion of the module "History of Buildings 1 and 2".

Annotation
The lecture History of Urban Development 1 is mandatory; one of the two lectures "Lecture History of Buildings 1" or "Lecture History of Art" can be taken in addition.

Workload
Class attendance: Lectures 60 h

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

M 3.57 Module: Urban Development-, Building- or Art History 2 [M-ARCH-103575]

Responsible: Prof. Dr. Oliver Jehle
Prof. Dr.-Ing. Joaquín Medina Warmburg
Organisation: KIT Department of Architecture
Part of: Urban- and Landscape Planning

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

Mandatory			
T-ARCH-107312	Urban Development-, Building- or Art History 2	4 CR	Jehle, Medina Warmburg

Competence Certificate
Written exam lasting 120 minutes on the contents of the respective lectures one has attended.

Competence Goal
The students:

- have gained knowledge on the history of Urban Development.
- are capable of recording and analyzing the relationships between historical and current topics of urban development as a solid basis for planning competencies.
- have an awareness of the historicism of architecture, knowledge on the conditions of its evolvement and the historical contexts as well as basic knowledge on the principal architectural buildings of each era, all based on the latest, up-to-date research.
- have gained knowledge of the evolutionary and developmental conditions of works of art and their historic contexts as well as basic knowledge of the major art-historical works of the early Middle Ages or the Renaissance or the 19th century all based on the latest, up-to-date research.

Module grade calculation
The module grade is the grade of the written exam.

Prerequisites
none

Content
Lecture History of Urban Development 2: Lecture series on the history of urban development of the 19th and 20th century.

Lecture History of Buildings 2: History of buildings of the 19th and 20th century.

Lecture History of Art: Art history from the early Middle Ages or the Renaissance or the 19th century.

Vorlesung Stadtbaugeschichte 2: Vorlesungsreihe zur Geschichte des Städtebaus des 19. und 20. Jahrhunderts

Vorlesung Baugeschichte 2: Baugeschichte des 19. und 20. Jahrhunderts

Vorlesung Geschichte der Kunst: Kunstgeschichte des frühen Mittelalters oder der Renaissance oder des 19. Jahrhunderts

Recommendation
Successful completion of the module "Urban Development-, Building- or Art History 1".

Annotation
The lecture History of Urban Development 2 is mandatory; one of the two lectures "Lecture History of Buildings 2" or "Lecture History of Art" can be taken in addition.

Workload
Class attendance: Lectures, tutorials 60 h

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

M 3.58 Module: Visualization Methods [M-ARCH-103580]

Responsible: Udo Beyer
Organisation: KIT Department of Architecture
Part of: Specialization (Compulsory Elective Modules Specialisation)

Credits	Grading scale	Recurrence	Duration	Language	Level	Version
4	Grade to a tenth	Each term	1 term	German	3	2

Mandatory			
T-ARCH-107320	Visualization Methods	4 CR	Beyer

Competence Certificate
Other examination requirements consisting of a documentation of the visualizations carried out in a self-made brochure of 12 - 20 pages DIN A4.

Competence Goal
The students:

- are able to select suitable visualization techniques for specific questions dealing with an architectural design draft and with this they can further develop independent solutions.

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

Prerequisites
none

Content
Visualization is understood to be a tool for design editing and idea development and is implemented from the early stages of an architectural design onwards. What technology you use depends on the question or task that you are working on. All thinkable visualization forms are taken into account, going from animation to model construction and storyboards all the way to drawings, diagrams and collages.

Workload
In-class time: Seminar 10 h

Self-study components: project work 110 h

4 Courses

T 4.1 Course: Advanced Topic of Bachelor Thesis [T-ARCH-107688]

Responsible: Prof. Marc Frohn
Prof. Simon Hartmann
Prof. Meinrad Morger
Prof. Ludwig Wappner

Organisation: KIT Department of Architecture

Part of: M-ARCH-103576 - Advanced Topic of Bachelor Thesis

Type	Credits	Grading scale	Recurrence	Version
Completed coursework	3	pass/fail	Each term	1

Events					
ST 2021	1710111	Advanced Topic of Bachelor Thesis (Frohn)	1 SWS	Lecture / Practice (/ 🖳	Frohn, Bengert, Zelli
ST 2021	1710211	Advanced Topic of Bachelor Thesis (Morger)	1 SWS	Project (P / 🖳	Morger, Kunkel, Schilling, Zaparta, Schneider
ST 2021	1710311	Advanced Topic of Bachelor Thesis: Waterworld (Hartmann)	1 SWS	Practice / 🖳	Hartmann, Brasanac, Garriga Tarres
ST 2021	1720508	Advanced Topic of Bachelor Thesis: Market Hall Karlsruhe (Wappner)	SS 21 SWS	Lecture / Practice (/ 🖳	Wappner

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

Competence Certificate
Completed coursework consisting working on the "Specialization Bachelor Thesis" usually, as a rule, takes place individually or in groups of two; there are regular supervisory and correction sessions. The produced results in the form of drawings, models, texts and lectures are presented and assessed within the framework of presentations or workshops during one‘s studies.

Annotation
Only one of the four courses can be booked, in each case by the examiner at whom the Bachelor's thesis is also completed.

T 4.2 Course: Advanced Topic of Bachelor Thesis - Portfolio [T-ARCH-107690]

Responsible: Prof. Marc Frohn
Prof. Simon Hartmann
Prof. Meinrad Morger
Prof. Ludwig Wappner

Organisation: KIT Department of Architecture

Part of: M-ARCH-103576 - Advanced Topic of Bachelor Thesis

Type	Credits	Grading scale	Recurrence	Version
Completed coursework	1	pass/fail	Each term	1

Competence Certificate
Completed coursework consisting of a portfolio to be created by the students individually and without any supervision. The result is handed in as a physical portfolio. The portfolio is assessed as it relates to completeness, the plausibility and comprehensibility of the presented projects, the graphical and design-related quality as well as the technically skilled quality.

T 4.3 Course: Architectural Geometry and Digital Form Design 1 [T-ARCH-107305]

Responsible: Udo Beyer
Organisation: KIT Department of Architecture

Part of: M-ARCH-103568 - Architectural Geometry and Digital Form Design 1

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

Events					
WT 20/21	1710151	Architectural Geometry and Digital Form Design 1	4 SWS	Lecture / Practice (/	Beyer, Kosoric

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

Competence Certificate
Other examination requirements consisting of a drawing-based term paper and the successful participation in the tutorials related to the courses of the module (tutorial certificates).

Prerequisites
none

T 4.4 Course: Architectural Geometry and Digital Form Design 2 [T-ARCH-107306]

Responsible: Udo Beyer
Organisation: KIT Department of Architecture

Part of: M-ARCH-103569 - Architectural Geometry and Digital Form Design 2

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

Events					
ST 2021	1710153	Architectural Geometry 2	2 SWS	Lecture / Practice (/	Beyer
ST 2021	1710154	Digital Form Design 2	2 SWS	Lecture / Practice (/	Kosoric, Uhrig

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

Competence Certificate
Other examination requirements consisting of a drawing-based term paper and the successful participation in the tutorials related to the courses of the module (tutorial certificates).

Prerequisites
none

T 4.5 Course: Architectural Geometry and Digital Form Design 3 [T-ARCH-107307]

Responsible: Udo Beyer
Organisation: KIT Department of Architecture

Part of: M-ARCH-103570 - Architectural Geometry and Digital Form Design 3

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

Events					
WT 20/21	1710153	Architectural Geometry and Digital Form Design 3	4 SWS	Lecture / Practice (/	Beyer, Kosoric

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

Competence Certificate
Other examination requirements consisting of a drawing-based term paper and the successful participation in the tutorials related to the courses of the module (tutorial certificates).

Prerequisites
none

T 4.6 Course: Architectural Theory Research Topics [T-ARCH-107325]

Responsible: Prof. Dr Georg Vrachliotis
Organisation: KIT Department of Architecture

Part of: M-ARCH-103585 - Architectural Theory Research Topics

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

Competence Certificate
Other examination requirements consisting of actively participating in the seminar sessions (oral and written discussion contributions as well as presentations) as well as a study work project respectively one's own independent research work whose scope and form is dependent on the respective task assigned.

Prerequisites
none

T 4.7 Course: Artistic and Sculptural Design [T-ARCH-107304]

Responsible: Prof. Stephen Craig
Organisation: KIT Department of Architecture

Part of: M-ARCH-103567 - Artistic and Sculptural Design

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

Events					
WT 20/21	1710363	Artistic and Sculptural Design	4 SWS	Practice /	Craig, Kranz, Pawelzyk, Schelble

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

Competence Certificate
Other examination requirements consisting of works that are undertaken during the semester in the tutorials as well as handing in the works (workbook of the lecture series, sketching book and the complete folder of drawings) at the end of the semester.

Prerequisites
none

T 4.8 Course: Bachelor Thesis [T-ARCH-107248]

Responsible: Prof. Marc Frohn
Prof. Simon Hartmann
Prof. Meinrad Morger
Prof. Ludwig Wappner

Organisation: KIT Department of Architecture

Part of: M-ARCH-103546 - Module Bachelor Thesis

Type	Credits	Grading scale	Recurrence	Version
Final Thesis	12	Grade to a third	Each term	1

Events					
ST 2021	1710112	Bachelor's Thesis (Frohn): Death in the Age of Immortality	6 SWS	Project (P / 🖳)	Frohn, Bengert, Zelli
ST 2021	1710201	Bachelor's Thesis: Art Museum in Karlsruhe (Morger)	6 SWS	Project (P / 🖳)	Morger, Schilling, Kunkel, Zaparta, Schneider
ST 2021	1710302	Bachelor's Thesis: Waterworld. A Rhine-Architecture in Daxlanden (Hartmann)	6 SWS	Project (P / 🖳)	Hartmann, Brasanac, Garriga Tarres
ST 2021	1720507	Bachelor's Thesis: Market Hall Karlsruhe (Wappner)	SS 21 SWS	Project (P / 🖳)	Wappner, Tusinean, Hörmann, Schneemann

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

Competence Certificate
The bachelor's thesis is comprised of the architectural design assessments and examinations that a student undertakes during the semester. Working on the design task takes place on an individual basis and regular supervisory phases respectively corrective measures take place. The progress monitoring takes place during one's studies within the framework of one to two intermediate milestone presentations and one final one. Here the worked out results are presented in the form of drawings, models, texts and presentations and these are then graded. The duration of each presentation is approx. 20 minutes per person.

Prerequisites
none

Final Thesis
This course represents a final thesis. The following periods have been supplied:

Submission deadline 3 months
Maximum extension period 1 months
Correction period 6 weeks

This thesis requires confirmation by the examination office.

T 4.9 Course: Basic Course in the Study Workshop Modell [T-ARCH-107342]

Responsible: Willy Abraham
Andreas Heil
Anita Knipper
Manfred Neubig

Organisation: KIT Department of Architecture

Part of: M-ARCH-103602 - Key Qualifications

Type	Credits	Grading scale	Recurrence	Version
Completed coursework	2	pass/fail	Irregular	1

Modeled Conditions
The following conditions have to be fulfilled:

1. The course T-ARCH-107340 - Workshop Introduction must have been passed.

T 4.10 Course: Basic Course in the Study Workshop Photography [T-ARCH-107341]

Responsible: Bernd Seeland
Organisation: KIT Department of Architecture
Part of: M-ARCH-103602 - Key Qualifications

Type	Credits	Grading scale	Recurrence	Version
Completed coursework	4	pass/fail	Each term	1

Modeled Conditions
The following conditions have to be fulfilled:

1. The course T-ARCH-107340 - Workshop Introduction must have been passed.

T 4.11 Course: Basics of Building Construction [T-ARCH-107291]

Responsible: Thomas Haug
Organisation: KIT Department of Architecture

Part of: M-ARCH-103554 - Basics of Building Construction

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

Events					
ST 2021	1720561	Building Construction	SS 21 SWS	Lecture / Practice (/	Haug

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

Competence Certificate
Other examination requirements consisting of the constructive, semester-accompanying work on the design project in the module "Studio Material". Working on the task is undertaken in groups of two and there is supervision and corrections made on a regular basis. The progress monitoring occurs during one's studies in the framework of up to two intermediate and one final presentation together with the presentation in the Studio Material. There the worked out results in the formats drawings, models, texts and presentations are portrayed and evaluated. The presentation length of the building construction-related composition is approx. 5 minutes per group.

Prerequisites
none

T 4.12 Course: Basics of Design Theory [T-ARCH-107303]

Responsible: Prof. Marc Frohn
Organisation: KIT Department of Architecture

Part of: M-ARCH-103566 - Basics of Design Theory

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

Events					
WT 20/21	1710103	Basics of Design Theory (Exercise)	1 SWS	Practice / 🗣	Frohn, Panzer, Wootton, Zelli, Perugini
WT 20/21	1710302	Basics of Design Theory (Lecture)	2 SWS	Lecture	Hartmann

Legend: 🖥 Online, 🔀 Blended (On-Site/Online), 🗣 On-Site, ✕ Cancelled

Competence Certificate
Other examination requirements consisting of two parts: In the framework of a written exam the important contents of the topics dealt with in the lecture as well as the accompanying texts and drawings made available will be examined. The duration of the written exam is approx. 150 minutes. Working on the accompanying exercise usually takes place, as a rule, in groups of four to five. There are regular supervision and correction sessions. The progress monitoring of the tutorial takes place within the framework of a final presentation. Here the worked out results are presented and evaluated in the form of drawings, models and presentations. The duration of the presentation is approx. 15 minutes per group.

Prerequisites
none

T 4.13 Course: Basics of Fire Protection [T-ARCH-110401]

Responsible: Prof. Andreas Wagner
Organisation: KIT Department of Architecture
Part of: M-ARCH-103592 - Selected Topics of Building Physics

Type	Credits	Grading scale	Recurrence	Expansion	Version
Oral examination	2	Grade to a third	Each summer term	1 terms	1

Events					
ST 2021	1720961	Sected Topics of Building Physics: Fire Protection	2 SWS	Lecture /	Wagner, Pannier

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

Competence Certificate
Oral exam of 15 minutes.

Prerequisites
none

T 4.14 Course: Basics of Lighting Technology [T-ARCH-110403]

Responsible: Prof. Andreas Wagner
Organisation: KIT Department of Architecture
Part of: M-ARCH-103592 - Selected Topics of Building Physics

Type	Credits	Grading scale	Recurrence	Expansion	Version
Oral examination	2	Grade to a third	Each winter term	1 terms	1

Events					
WT 20/21	1720960	Basics of Lightning Technology	2 SWS	Lecture / 🗣	Wagner, Alanis Oberbeck

Legend: 💻 Online, 🌸 Blended (On-Site/Online), 🗣 On-Site, ✕ Cancelled

Competence Certificate
Oral exam of 15 minutes.

Prerequisites
none

T 4.15 Course: Basics of Planning Energy-Efficient Buildings [T-ARCH-110402]

Responsible: Prof. Andreas Wagner
Organisation: KIT Department of Architecture
Part of: M-ARCH-103592 - Selected Topics of Building Physics

Type	Credits	Grading scale	Recurrence	Expansion	Version
Oral examination	2	Grade to a third	Each summer term	1 terms	1

Events					
ST 2021	1720962	Sected Topics of Building Physics: Energy Efficient Buildings	2 SWS	Lecture /	Wagner

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

Competence Certificate
Oral exam of 15 minutes.

Prerequisites
none

T 4.16 Course: Basics of Urban Planning - Practical Course [T-ARCH-109964]

Responsible: Prof. Henri Bava
Prof. Dr.-Ing. Barbara Engel
Organisation: KIT Department of Architecture
Part of: M-ARCH-103571 - Basics of Urban Planning

Type	Credits	Grading scale	Recurrence	Version
Completed coursework	0	pass/fail	Each summer term	1

Events					
ST 2021	1731203	Basics of Urban Planning	4 SWS	Lecture /	Bava, Engel, Romero Carnicero, Gerstberger, Reuß Brezovska, Kuzyshyn

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

Competence Certificate
Completed coursework consisting of several tutorials on the contents of the lecture that one has to undertake during the semester.

Prerequisites
none

T 4.17 Course: Basics Sound Insulation [T-ARCH-110400]

Responsible: Prof. Andreas Wagner
Organisation: KIT Department of Architecture
Part of: M-ARCH-103592 - Selected Topics of Building Physics

Type	Credits	Grading scale	Recurrence	Expansion	Version
Oral examination	2	Grade to a third	Each winter term	1 terms	1

Events					
WT 20/21	1720961	Noise Protection	2 SWS	Lecture /	Wagner, Grunau

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

Competence Certificate
Oral exam of 15 minutes.

Prerequisites
none

T 4.18 Course: Basis Course Photogrammetry [T-BGU-107444]

Responsible: Dr.-Ing. Thomas Vögtle
Organisation: KIT Department of Civil Engineering, Geo- and Environmental Sciences
Part of: M-BGU-104004 - Basis Course Photogrammetry

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 graded project work (drawing/constructive) which consists of a worked-out paper on one of the practical exercises.

Prerequisites
none

T 4.19 Course: Building Construction [T-ARCH-107294]

Responsible: Prof. Ludwig Wappner
Organisation: KIT Department of Architecture

Part of: M-ARCH-103557 - Building Construction

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

Events					
WT 20/21	1720551	Building Construction (Lecture)	2 SWS	Lecture /	Wappner
WT 20/21	1720554	Building Construction (Exercise)	1 SWS	Practice /	Wappner

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

Competence Certificate
Other examination requirements consisting of the constructive, semester-accompanying work on the design project in the module "Studio Material". Working on the task is undertaken in groups of two and there is supervision and corrections made on a regular basis. The progress monitoring occurs during one's studies in the framework of up to two intermediate and one final presentation together with the presentation in the Studio Material. There the worked out results in the formats drawings, models, texts and presentations are portrayed and evaluated. The presentation length of the building construction-related composition is approx. 5 minutes per group.

Prerequisites
none

T 4.20 Course: Building History 1 [T-ARCH-107300]

Responsible: Prof. Dr.-Ing. Joaquín Medina Warmburg
Organisation: KIT Department of Architecture

Part of: M-ARCH-103563 - Building History 1

Type	Credits	Grading scale	Recurrence	Version
Written examination	4	Grade to a third	Each winter term	1

Events					
WT 20/21	1741351	Building History 1 (Lecture)	2 SWS	Lecture /	Medina Warmburg
WT 20/21	1741352	Building History 1 (Tutorial)	2 SWS	Practice /	Medina Warmburg, Koch

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

Competence Certificate
Written exam taking 60 minutes on the contents of the lecture.

T 4.21 Course: Building History and Building Survey [T-ARCH-107301]

Responsible: Prof. Dr.-Ing. Joaquín Medina Warmburg
Organisation: KIT Department of Architecture

Part of: M-ARCH-103564 - Building History 2

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	3	Grade to a third	Each summer term	1

Events					
ST 2021	1741355	Lecture Building History 2		Lecture /	Medina Warmburg
ST 2021	1741356	Building Survey and Survey	4 SWS	/	Juretzko, Busse

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

Competence Certificate
Other examination requirements consisting of a written exam taking 60 minutes on the lecture contents and the results of the preparatory exercise and the tutorial Structural Recording (group work) in form of plans that portray the inspected object.

Prerequisites
none

T 4.22 Course: Building Materials Science [T-ARCH-107290]

Responsible: Prof.Dipl.-Ing. Dirk Hebel
Organisation: KIT Department of Architecture

Part of: M-ARCH-103553 - Building Materials Science

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

Events					
WT 20/21	1720603	Building Material Science	2 SWS	Lecture / 🗣	Hebel, Böhm

Legend: 💻 Online, 🏵 Blended (On-Site/Online), 🗣 On-Site, ✕ Cancelled

Competence Certificate
Other examination requirement that consists of handing in a written materials research paper in the specified format. All relevant information as well as the information presented in the lecture with regard to a chosen field of materials knowledge which was gone into in detail during tutorials as well is part of this progress monitoring. Apart from the written work fitting material samples are part of the work that has to be handed in.

Prerequisites
none

T 4.23 Course: Building Physics [T-ARCH-107293]

Responsible: Prof. Andreas Wagner
Organisation: KIT Department of Architecture

Part of: M-ARCH-103556 - Building Physics

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

Events					
ST 2021	1720952	Building Physics	2 SWS	Practice /	Wagner, Mann
ST 2021	1720953	Building Physics	2 SWS	Lecture /	Wagner

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

Competence Certificate
Other examination requirements consisting of working on tutorial-related tasks during the course of the semester and an additional task at the end of the semester. On the day of the examination, a randomly selected exercise from the semester must be handed in and an additional task related to the selected exercise must be completed. The processing time for the additional task is approximately 180 minutes.

Prerequisites
none

T 4.24 Course: Building Services [T-ARCH-107296]

Responsible: Prof. Andreas Wagner
Organisation: KIT Department of Architecture

Part of: M-ARCH-103559 - Building Services

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each winter term	2

Events					
WT 20/21	1720951	Building Services (Lecture)	2 SWS	Lecture /	Wagner
WT 20/21	1720952	Building Services (Exercise)	2 SWS	Practice /	Wagner, Mann, Rissetto

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

Competence Certificate
Other examination requirements consisting of working on tutorial-related tasks during the course of the semester and an additional task at the end of the semester. On the day of the examination, a randomly selected exercise from the semester must be handed in and an additional task related to the selected exercise must be completed. The processing time for the additional task is approximately 180 minutes.

Prerequisites
none

T 4.25 Course: Building Survey [T-ARCH-107337]

Responsible: Prof. Dr.-Ing. Joaquín Medina Warmburg
Organisation: KIT Department of Architecture

Part of: M-ARCH-103596 - Building Survey

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

Events					
WT 20/21	1741369	Building Survey	4 SWS	Practice /	Koch

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

Competence Certificate
Other examination requirements consisting of the measurements of a building plus the creation of a planning set, its drawn, graphical drafting and preparation as well as the oral and written/drawn presentation of the recorded observations on the history of its construction and usage during a final colloquium/presentation.

Prerequisites
none

T 4.26 Course: Communication of Architecture and Scientific Methodology [T-ARCH-107302]

Responsible: Prof. Dr. Riklef Rambow
Organisation: KIT Department of Architecture

Part of: M-ARCH-103565 - Communication of Architecture and Scientific Methodology

Type	Credits	Grading scale	Recurrence	Version
Written examination	4	Grade to a third	Each summer term	1

Events					
ST 2021	1710450	Introduction to the Communication of Architecture	2 SWS	Lecture /	Rambow
ST 2021	1710451	Scientific Methods for Architecture	2 SWS	Lecture /	Rambow

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

Competence Certificate
Written exam taking 90 minutes on the contents of the lecture.

T 4.27 Course: Construction Economics and Law for Architects [T-ARCH-107297]

Responsible: Hon.-Prof. Kai Fischer
Hon.-Prof. Dr. Eberhardt Meiringer

Organisation: KIT Department of Architecture

Part of: M-ARCH-103560 - Construction Economics and Law for Architects

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

Events					
WT 20/21	1720620	Building Economics	2 SWS	Lecture /	Fischer
WT 20/21	1731154	Law for Architects	2 SWS	Lecture /	Meiringer

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

Competence Certificate
Other examination requirements consisting of a written exam taking all-in-all 120 minutes on the lecture contents Construction Economics and Architectural Law as well as the construction-economical composition of the draft project in the module "Studio Order", which is to be worked on and produced during the semester. Working on the design project takes place in the same groups as in the module "Studio Order". The result of the worked out design is a property profile.

Prerequisites
none

T 4.28 Course: Design in Studio Context [T-ARCH-109961]

Responsible: Prof. Henri Bava
Prof. Dr.-Ing. Barbara Engel
Organisation: KIT Department of Architecture
Part of: M-ARCH-103550 - Studio Context

Type	Credits	Grading scale	Recurrence	Expansion	Version
Examination of another type	10	Grade to a third	Each summer term	1 terms	2

Events					
ST 2021	1731067	Design in Studio Context: re:Generation – New Urban Communities in Mannheim and Ludwigshafen (Neppl)	5 SWS	Project (P / 🖥)	Neppl, Joa, Stippich, Weber
ST 2021	1731152	Design in Studio Context: re:Generation – New Urban Communities in Mannheim and Ludwigshafen (Engel)	5 SWS	Project (P / 🖥)	Engel, Kuzyshyn, Reuß Brezovska
ST 2021	1731201	Design in Studio Context: re:GENERATION – New urban communities in Mannheim and Ludwigshafen(Bava)	5 SWS	Project (P / ⚙)	Bava, Gerstberger, Romero Carnicero

Legend: 🖥 Online, ⚙ Blended (On-Site/Online), 🗣 On-Site, ✕ Cancelled

Competence Certificate
Other examination requirements consisting of design work produced during the semester. Working on the design task takes place in groups of four, there are regular supervisory meetings respectively corrective inputs that take place. The progress monitoring takes place during one's studies within the frame of up to two intermediate and one final presentation. There the worked out results are presented and evaluated in the form of drawings, models, texts and presentations. The time frame for the presentation is approx. 20 minutes per group.

Prerequisites
Successful completion of the module "Studio Material".

Modeled Conditions
The following conditions have to be fulfilled:

1. The module M-ARCH-103549 - Studio Material must have been passed.

T 4.29 Course: Design in Studio Material [T-ARCH-109960]

Responsible: Prof. Ludwig Wappner
Organisation: KIT Department of Architecture
Part of: M-ARCH-103549 - Studio Material

Type	Credits	Grading scale	Recurrence	Expansion	Version
Examination of another type	10	Grade to a third	Each winter term	1 terms	1

Events					
WT 20/21	1720520	Design in Studio Material Haug	8 SWS	Project (P /	Haug, Tusinean, Hörmann
WT 20/21	1720521	Design in Studio Material Vallebuona	8 SWS	Project (P /	Vallebuona, Schmidt, Michalski
WT 20/21	1720522	Design in Studio Material Wappner	8 SWS	Project (P /	Wappner, Schneemann, Hoffmann

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

Competence Certificate
Other examination requirements consisting of architectural design work produced during the semester. Working on the design task takes place in groups of two, there are regular supervisory meetings respectively corrective inputs that take place. The progress monitoring takes place during one's studies within the frame of up to two intermediate and one final presentation. There the worked out results are presented and evaluated in the form of drawings, models, texts and presentations. The time frame for the presentation is approx. 15 minutes per group.

Prerequisites
none

T 4.30 Course: Design in Studio Space [T-ARCH-109958]

Responsible: Prof. Marc Frohn
Organisation: KIT Department of Architecture
Part of: M-ARCH-103547 - Studio Space

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	10	Grade to a third	Each winter term	1

Events					
WT 20/21	1710101	Design in Studio Space Frohn	8 SWS	Project (P / 🗣	Frohn, Panzer, Wootton, Bengert
WT 20/21	1710201	Design in Studio Space Morger: From the Elements of Architecture to the Architectonic Space	8 SWS	Project (P / 🗣	Morger, Kunkel, Schilling, Schneider, Zaparta
WT 20/21	1710301	Design in Studio Space Hartmann: KIT am Meer	8 SWS	Project (P / 🗣	Hartmann, Sekinger, Krüger, Brasanac, Garriga Tarres

Legend: 📱 Online, 🎛 Blended (On-Site/Online), 🗣 On-Site, ✕ Cancelled

Competence Certificate
Other examination requirements consisting of architectural design work produced during the semester. Working on the design task takes place in groups of two, there are regular supervisory meetings respectively corrective inputs that take place. The progress monitoring takes place during one's studies within the frame of up to two intermediate and one final presentation. There the worked out results are presented and evaluated in the form of drawings, models, texts and presentations. The time frame for the presentation is approx. 15 minutes per group.

Prerequisites
none

T 4.31 Course: Design in Studio Structure [T-ARCH-109959]

Responsible: Prof. Ludwig Wappner
Organisation: KIT Department of Architecture
Part of: M-ARCH-103548 - Studio Structure

Type	Credits	Grading scale	Recurrence	Expansion	Version
Examination of another type	10	Grade to a third	Each summer term	1 terms	2

Events					
ST 2021	1720510	Design in Studio Structure: Playground One (Haug)	SS 21 SWS	Project (P / 🖳)	Haug, Tusinean, Hörmann
ST 2021	1720511	Design in Studio Structure: Playground One (Vallebuona)	SS 21 SWS	Project (P / 🖳)	Vallebuona, Schmidt, Michalski
ST 2021	1720512	Design in Studio Structure: Playground One (Wappner)	SS 21 SWS	Project (P / 🖳)	Wappner, Hoffmann

Legend: 🖳 Online, 💮 Blended (On-Site/Online), 🗣 On-Site, ✕ Cancelled

Competence Certificate
Other examination requirements consisting of architectural design work produced during the semester. Working on the design task takes place in groups of two, there are regular supervisory meetings respectively corrective inputs that take place. The progress monitoring takes place during one's studies within the frame of up to two intermediate and one final presentation. There the worked out results are presented and evaluated in the form of drawings, models, texts and presentations. The time frame for the presentation is approx. 15 minutes per group.

Prerequisites
Successful completion of the module "Studio Space".

Modeled Conditions
The following conditions have to be fulfilled:

1. The module M-ARCH-103547 - Studio Space must have been passed.

T 4.32 Course: Design in Studio System [T-ARCH-109962]

Responsible: Prof.Dipl.-Ing. Dirk Hebel
Organisation: KIT Department of Architecture
Part of: M-ARCH-103551 - Studio System

Type	Credits	Grading scale	Recurrence	Expansion	Version
Examination of another type	10	Grade to a third	Each winter term	1 terms	1

Events					
WT 20/21	1720611	Design in Studio System Hebel: (H)Austausch! - Innovative Living Concepts for Best Agers	11 SWS	Project (P /	Hebel, Lenz, Rausch, Hoss
WT 20/21	1731052	Design in Studio System Neppl: 50*50 HOME _Office in the Bahnstadt Heidelberg	11 SWS	Project (P /	Neppl, Joa, Stippich, Pfeifer, Wagner, Weber

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

Competence Certificate
Other examination requirements consisting of architectural design work produced during the semester. Working on the design task takes place individually or in groups; regular supervision respectively corrective sessions take place. The progress monitoring takes place during one's studies within the frame of up to two intermediate and one final presentation. There the worked out results are presented and evaluated in the form of drawings, models, texts and presentations.

Prerequisites
none

T 4.33 Course: Fundamentals of Town Planning [T-ARCH-106581]

Responsible: Prof. Henri Bava
Prof. Dr.-Ing. Barbara Engel
Organisation: KIT Department of Architecture
Part of: M-ARCH-103571 - Basics of Urban Planning

Type	Credits	Grading scale	Recurrence	Version
Oral examination	4	Grade to a third	Each summer term	3

Events					
ST 2021	1731203	Basics of Urban Planning	4 SWS	Lecture /	Bava, Engel, Romero Carnicero, Gerstberger, Reuß Brezovska, Kuzyshyn

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

Competence Certificate
Oral exam lasting 15 minutes on the contents of the lecture.

Prerequisites
Requirement for the exam application is having passed the completed coursework "Basics of Urban Planning - Practical Course".

Modeled Conditions
The following conditions have to be fulfilled:

1. The course T-ARCH-109964 - Basics of Urban Planning - Practical Course must have been passed.

T 4.34 Course: In-depth Surveying for Architects [T-BGU-107443]

Responsible: Dr.-Ing. Manfred Juretzko
Organisation: KIT Department of Civil Engineering, Geo- and Environmental Sciences
Part of: M-BGU-104002 - In-depth Surveying for Architects

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

Events					
WT 20/21	6071201	In-Depth Surveying for Architects	2 SWS	Lecture / Practice (/	Juretzko

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

Competence Certificate
Other examination requirements that are made up of the following parts: 3 prepared calculation exercises, participating in 3 practical tutorials, the (drawn) worked out paper on one of the practical exercises as well as producing a (fictional) layout plan for the building planning application.

Prerequisites
none

T 4.35 Course: Internship [T-ARCH-107703]

Responsible: Studiendekan/in Architektur
Organisation: KIT Department of Architecture
Part of: M-ARCH-103602 - Key Qualifications

Type	Credits	Grading scale	Recurrence	Version
Completed coursework	4	pass/fail	Each term	1

Events					
WT 20/21	1700047	Construction Internship		Practical course	
ST 2021	1700047	Construction Internship		Practical course /	

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

Competence Certificate
Internship report having at least 3 pages is to be produced. This should be handed in to the Internship Office of the faculty and needs to include a certification by the company worked at, specifying the contents and the time period of the internship.

Prerequisites
none

T 4.36 Course: Key Qualifications 1 [T-ARCH-107339]

Organisation: KIT Department of Architecture
Part of: M-ARCH-103602 - Key Qualifications

Type	Credits	Grading scale	Recurrence	Version
Completed coursework	2	pass/fail	Each term	1

Events					
WT 20/21	1700046	Mentoring-Programm		Block	Le Gerrette, Kern

Competence Certificate
The progress monitoring takes place in the form of completed coursework that varies type-wise and scope-wise, depending upon the course taken.

Prerequisites
none

T 4.37 Course: Key Qualifications 3 [T-ARCH-107700]

Organisation: KIT Department of Architecture
Part of: M-ARCH-103602 - Key Qualifications

Type	Credits	Grading scale	Recurrence	Version
Completed coursework	3	pass/fail	Each term	1

T 4.38 Course: Key Qualifications 5 [T-ARCH-108263]

Organisation: KIT Department of Architecture
Part of: M-ARCH-103602 - Key Qualifications

Type	Credits	Grading scale	Recurrence	Version
Completed coursework	1	pass/fail	Each term	1

T 4.39 Course: Key Qualifications at the HoC, ZAK or Sprachenzentrum [T-ARCH-110592]

Organisation: KIT Department of Architecture
Part of: M-ARCH-103602 - Key Qualifications

Type	Credits	Grading scale	Recurrence	Version
Completed coursework	1	pass/fail	Each term	1

Competence Certificate
The progress monitoring takes place in the form of completed coursework that varies type-wise and scope-wise, depending upon the course taken.

Prerequisites
none

T 4.40 Course: Methodicial and Technical Planning Tools [T-ARCH-107329]

Responsible: Prof. Dr.-Ing. Petra von Both
Organisation: KIT Department of Architecture

Part of: M-ARCH-103589 - Methodicial and Technical Planning Tools

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

Events					
WT 20/21	1720710	Methodical and Technical Planning Aids: System Analysis and Function-Based Design	2 SWS	/	von Both

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

Competence Certificate
Other examination requirements consisting of a written/planned composition and a 15-minute presentation with a discussion of the results.

Prerequisites
none

T 4.41 Course: Principles of Building Studies and Design [T-ARCH-107309]

Responsible: Prof. Meinrad Morger
Organisation: KIT Department of Architecture

Part of: M-ARCH-103572 - Principles of Building Studies and Design

Type	Credits	Grading scale	Recurrence	Version
Written examination	4	Grade to a third	Each summer term	2

Events					
ST 2021	1710202	Principles of Building Studies and Design	2 SWS	Lecture /	Morger, Schneider

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

Competence Certificate
Written exam lasting approx. 60 minutes on the contents of the lecture.

Prerequisites
Requirement for the exam application is having passed the completed coursework "Basics of Building Theory – Practical Course".

Modeled Conditions
The following conditions have to be fulfilled:

1. The course T-ARCH-109233 - Principles of Building Studies and Design - Practical Course must have been passed.

T 4.42 Course: Principles of Building Studies and Design - Practical Course [T-ARCH-109233]

Responsible: Prof. Meinrad Morger
Organisation: KIT Department of Architecture

Part of: M-ARCH-103572 - Principles of Building Studies and Design

Type	Credits	Grading scale	Recurrence	Version
Completed coursework	0	pass/fail	Each summer term	1

Events					
ST 2021	1710203	Principles of Building Studies and Design	2 SWS	Practice / 🖥	Morger, Schneider

Legend: 🖥 Online, 🧩 Blended (On-Site/Online), 🗣 On-Site, ✕ Cancelled

Competence Certificate
The completed coursework consists of several tutorials connected to the lecture contents which need to be taken during the semester.

Prerequisites
none

T 4.43 Course: Selected Topics of Architectural Theory [T-ARCH-107324]

Responsible: Prof. Dr Georg Vrachliotis
Organisation: KIT Department of Architecture

Part of: M-ARCH-103584 - Selected Topics of Architectural Theory

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

Events					
WT 20/21	1710404	Selected Topics of Architectural Theory: The Delivery Complex	2 SWS	Seminar /	Vrachliotis, Knoop
ST 2021	1710405	Selected Topics of Architectural Theory: Architecture as Global Governance	4 SWS	Seminar /	N.N., Knoop

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

Competence Certificate
Other examination requirements consisting of actively participating in the seminar sessions (oral and written discussion contributions as well as presentations) as well as a study work project whose scope and form is dependent on the respective task assigned.

Prerequisites
none

T 4.44 Course: Selected Topics of Architecture, Furniture and Design [T-ARCH-107321]

Responsible: Alex Dill
Organisation: KIT Department of Architecture

Part of: M-ARCH-103581 - Selected Topics of Architecture, Furniture and Design

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

Competence Certificate
Other examination requirements consisting of on oral presentation lasting 30 minutes with a follow-up academic discussion and a tutorial as well as the active participation in the mandatory excursion program.

Prerequisites
none

T 4.45 Course: Selected Topics of Art History [T-ARCH-107335]

Responsible: Prof. Dr. Oliver Jehle
Organisation: KIT Department of Architecture

Part of: M-ARCH-103594 - Selected Topics of Art History

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

Events					
WT 20/21	1741319	Selected Topics of Art History: Art and Ecology. Discourses and Visual Cultures	2 SWS	Seminar /	Munoz Morcillo
WT 20/21	1741320	Selected Topic of Art History: Caravaggism in Europe	2 SWS	Seminar /	Papenbrock
ST 2021	1741312	Selected Topics of Art History: Velazquez	2 SWS	Seminar /	Papenbrock
ST 2021	1741314	Selected Topics of Art History: Introduction to Aesthetics (Early Modernity)	2 SWS	Seminar /	Munoz Morcillo
ST 2021	1741315	Selected Topics of Art History: Substantial Surrogates? Virtual Reality for Preserving Art Installations	2 SWS	Seminar /	Munoz Morcillo
ST 2021	1741363	Selected Topics of Building History:Historic Gardens in Southwest Germany. Virtual walks.	4 SWS	Seminar /	Gawlik

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

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 of about 15 pages.

Prerequisites
none

T 4.46 Course: Selected Topics of Building Construction Analysis [T-ARCH-107328]

Responsible: Thomas Haug
Organisation: KIT Department of Architecture

Part of: M-ARCH-103588 - Selected Topics of Building Construction Analysis

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

Events					
WT 20/21	1720553	Selected Topics of Building Construction Analysis	1 SWS	Seminar /	Haug
ST 2021	1720553	Selected Topics of Building Construction Analysis: MaterialConcept	1 SWS	Seminar /	Haug

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

Competence Certificate
Other examination requirements consisting of a term paper with a written and a drawing part in accordance with the layout requirements, 6-10 pages DIN B 4.

Prerequisites
none

T 4.47 Course: Selected Topics of Building History [T-ARCH-107336]

Responsible: Prof. Dr.-Ing. Joaquín Medina Warmburg
Organisation: KIT Department of Architecture

Part of: M-ARCH-103595 - Selected Topics of Building History

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

Events					
WT 20/21	1741365	Selected Topics of Building History: Techne - Infrastructure as Architecture	4 SWS	Seminar /	Medina Warmburg
WT 20/21	1741380	Selected Topics of Building History: Topos in landscapes: Karlsruhe. A walking-course.	4 SWS	Seminar /	Gawlik
WT 20/21	1741385	Selected Topics of Art History: Josef Durm and the Englerstraße 7	4 SWS	Seminar /	Koch
WT 20/21	1741394	Selected Topics of Building History: Preservation of Historical Monuments - Theory and Practice	4 SWS	Seminar /	Hanschke
ST 2021	1741357	Selected Topics of Building History: Biomimesis.Biological Analogy in Architecture since Vitruvius	4 SWS	Seminar /	Medina Warmburg
ST 2021	1741363	Selected Topics of Building History:Historic Gardens in Southwest Germany. Virtual walks.	4 SWS	Seminar /	Gawlik
ST 2021	1741365	Selected Topics of Building History: Preservation of historical monuments - Theory and Practice	4 SWS	Seminar /	Hanschke
ST 2021	1741366	Selected Topics of Building History: Spaces of Work. Industrial Architecture as a Spatial Factor in and outside the city		Seminar /	Rind

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

T 4.48 Course: Selected Topics of Building History 2 [T-ARCH-111168]

Responsible: Prof. Dr.-Ing. Joaquín Medina Warmburg
Organisation: KIT Department of Architecture
Part of: M-ARCH-105564 - Selected Topics of Building History 2

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

Events					
WT 20/21	1741365	Selected Topics of Building History: Techne - Infrastructure as Architecture	4 SWS	Seminar /	Medina Warmburg
WT 20/21	1741380	Selected Topics of Building History: Topos in landscapes: Karlsruhe. A walking-course.	4 SWS	Seminar /	Gawlik
WT 20/21	1741385	Selected Topics of Art History: Josef Durm and the Englerstraße 7	4 SWS	Seminar /	Koch
WT 20/21	1741394	Selected Topics of Building History: Preservation of Historical Monuments - Theory and Practice	4 SWS	Seminar /	Hanschke

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

T 4.49 Course: Selected Topics of Building Technology [T-ARCH-107327]

Responsible: Thomas Haug
Prof.Dipl.-Ing. Dirk Hebel
Prof. Matthias Pfeifer
Prof. Renzo Vallebuona
Prof. Dr.-Ing. Petra von Both
Prof. Andreas Wagner
Prof. Dr.-Ing. Rosemarie Wagner
Prof. Ludwig Wappner

Organisation: KIT Department of Architecture

Part of: M-ARCH-103587 - Selected Topics of Building Technology

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

Events					
WT 20/21	1720709	Selected Topics of Building Technology: Virtual Rooms	2 SWS	Seminar /	von Both, Koch

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

Competence Certificate
Other examination requirements consisting of a seminar paper in written and/or drawn form of maximum 20 pages and a presentation or an oral talk taking maximum 20 minutes.

Prerequisites
none

T 4.50 Course: Selected Topics of Building Technology [T-ARCH-107332]

Responsible: Prof. Dr.-Ing. Rosemarie Wagner
Organisation: KIT Department of Architecture

Part of: M-ARCH-103591 - Selected Topics of Building Technology

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

Events					
WT 20/21	1720903	Selected Topics of Building Technology: Clay-Brick-Concrete	4 SWS	Lecture / Practice (/ 🗣	Wagner, Sander
ST 2021	1720909	Selected Topics of Building Technology: Design to built		Block / 📱	Wagner, Sander, Sum

Legend: 📱 Online, 🔀 Blended (On-Site/Online), 🗣 On-Site, ✕ Cancelled

Competence Certificate
Other examination requirements consisting of a presentation of the design in plans, building a model to a large scale and a written worked-out paper on the practical tutorials; in this a relationship to the design task must be presented.

Prerequisites
none

T 4.51 Course: Selected Topics of Communication in Architecture [T-ARCH-107326]

Responsible: Prof. Dr. Riklef Rambow
Organisation: KIT Department of Architecture

Part of: M-ARCH-103586 - Selected Topics of Communication in Architecture

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

Events					
WT 20/21	1710451	Selected Topics of Communication in Architecture: Public Controversy in Architecture	2 SWS	Seminar / 🗣	Rambow, Schubert

Legend: 📱 Online, 💮 Blended (On-Site/Online), 🗣 On-Site, ✕ Cancelled

Competence Certificate
Other examination requirements consisting of a presentation/oral report taking 30 minutes and a written paper of max. 20 pages.

Prerequisites
none

T 4.52 Course: Selected Topics of Descriptive Geometry [T-ARCH-107318]

Responsible: Udo Beyer
Organisation: KIT Department of Architecture

Part of: M-ARCH-103578 - Selected Topics of Descriptive Geometry

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

Events					
WT 20/21	1710157	Selected Topics of Descriptive Geometry	2 SWS	Lecture /	Beyer
WT 20/21	1710158	Selected Topics of Descriptive Geometry (Exercise)	2 SWS	Practice /	Beyer

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

Competence Certificate
Other examination requirements consisting of a project documentation in the form of a composition of the contents of the lectures and tutorials or the seminar as an own project and presentation (duration approx. 10 minutes). This includes documentation (in the form of texts or plans/posters) of same.

Prerequisites
none

T 4.53 Course: Selected Topics of Drawing [T-ARCH-107319]

Responsible: Udo Beyer
Organisation: KIT Department of Architecture

Part of: M-ARCH-103579 - Selected Topics of Drawing

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

Events					
ST 2021	1710163	Selected Topics of Drawing: Drawing Excursion Summer	4 SWS	Excursion (E /)	Beyer

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

Competence Certificate
Other examination requirements consisting of the drawings made during the excursion.

Prerequisites
none

T 4.54 Course: Selected Topics of Fine Art 1 [T-ARCH-107322]

Responsible: Prof. Stephen Craig
Organisation: KIT Department of Architecture

Part of: M-ARCH-103582 - Selected Topics of Fine Art 1

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

Events					
WT 20/21	1710360	Selected Topics of Fine Art: Intensive Drawing	4 SWS	Practice / 🗣	Goetzmann
WT 20/21	1710361	Selected Topcis of Fine Art: Life Drawing	4 SWS	Practice / 🗣	Globas
WT 20/21	1710362	Selected Topics of Fine Art: Sharing Spaces with Plants: Leaves, Roots, Seeds and Artistic Practices	4 SWS	Practice / 🏵	Craig, Kranz
WT 20/21	1710364	Selected Topics of Fine Arts: #Levels_of_Perception: City Views	4 SWS	Practice / 🏵	Craig, Schelble
ST 2021	1710361	Selected Topics of Drawing: Life Drawing	4 SWS	Practice / 💻	Globas
ST 2021	1710362	Selected Topics of Drawing: Kitchen Politics - Cooking as artistic-research and political practice	4 SWS	Practice / 💻	Craig, Kranz
ST 2021	1710363	Selected Topics of Drawing: It's Magic - Inner Images, Own Realities and Magic	4 SWS	Practice / 💻	Craig, Pawelzyk

Legend: 💻 Online, 🏵 Blended (On-Site/Online), 🗣 On-Site, ✕ Cancelled

Competence Certificate
Other examination requirements consisting of handing in and presenting the semester works produced during the semester (scope, number and type vary according to the topic). Mandatory and a prerequisite is the regular participation in class.

Prerequisites
none

T 4.55 Course: Selected Topics of Fine Art 2 [T-ARCH-107323]

Responsible: Prof. Stephen Craig
Organisation: KIT Department of Architecture

Part of: M-ARCH-103583 - Selected Topics of Fine Art 2

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

Events					
WT 20/21	1710360	Selected Topics of Fine Art: Intensive Drawing	4 SWS	Practice / 🗣	Goetzmann
WT 20/21	1710361	Selected Topcis of Fine Art: Life Drawing	4 SWS	Practice / 🗣	Globas
WT 20/21	1710362	Selected Topics of Fine Art: Sharing Spaces with Plants: Leaves, Roots, Seeds and Artistic Practices	4 SWS	Practice / 🏵	Craig, Kranz
WT 20/21	1710364	Selected Topics of Fine Arts: #Levels_of_Perception: City Views	4 SWS	Practice / 🏵	Craig, Schelble
ST 2021	1710361	Selected Topics of Drawing: Life Drawing	4 SWS	Practice / 💻	Globas
ST 2021	1710362	Selected Topics of Drawing: Kitchen Politics - Cooking as artistic-research and political practice	4 SWS	Practice / 💻	Craig, Kranz
ST 2021	1710363	Selected Topics of Drawing: It's Magic - Inner Images, Own Realities and Magic	4 SWS	Practice / 💻	Craig, Pawelzyk

Legend: 💻 Online, 🏵 Blended (On-Site/Online), 🗣 On-Site, ✕ Cancelled

Competence Certificate
Other examination requirements consisting of handing in and presenting the semester works produced during the semester (scope, number and type vary according to the topic). Mandatory and a prerequisite is the regular participation in class.

Prerequisites
none

T 4.56 Course: Selected Topics of Structural Design [T-ARCH-109243]

Responsible: Prof. Matthias Pfeifer
Prof. Dr.-Ing. Rosemarie Wagner

Organisation: KIT Department of Architecture

Part of: M-ARCH-104513 - Selected Topics of Structural Design

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

Competence Certificate
Other examination requirements consisting of seminar papers 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

T 4.57 Course: Selected Topics of Sustainability [T-ARCH-107426]

Responsible: Prof.Dipl.-Ing. Dirk Hebel
Organisation: KIT Department of Architecture

Part of: M-ARCH-103684 - Selected Topics of Sustainability

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

Competence Certificate
Other examination requirements consisting of a worked out, written paper of a self-chosen topic within the framework of the seminar, having coordinated this with the lecturer beforehand.

Prerequisites
none

T 4.58 Course: Selected Topics of Urban Design [T-ARCH-107334]

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

Organisation: KIT Department of Architecture

Part of: M-ARCH-103593 - Selected Topics of Urban Design

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

Events					
WT 20/21	1731157	Selected Topics of Urban Design: Metropol.X - Daegu, Südkorea	2 SWS	Seminar /	Engel, Reuß Brezovska
WT 20/21	1731215	Selected Topics of Urban Design: Data-Driven Urban Nature	2 SWS	Seminar /	Bava, Romero Carnicero
WT 20/21	1731257	Selected Topics of Urban Design: Urban Spaces - In the Field of Tension between Community and Society	2 SWS	Seminar /	Inderbitzin, Kaltenbach

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

Competence Certificate
Other examination requirements consisting of a term paper in written and/or drawn form to the scope of maximum 20 pages and a presentation or an oral talk of maximum 20 minutes duration.

Prerequisites
none

T 4.59 Course: Selected Topics of Urban Design - Workshop [T-ARCH-107697]

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

Organisation: KIT Department of Architecture

Part of: M-ARCH-103811 - Selected Topics of Urban Design - Workshop

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

Competence Certificate
Other examination requirements consisting of a term paper in written and/or drawn form to the scope of maximum 20 pages and a presentation or an oral talk of maximum 20 minutes duration.

Prerequisites
none

T 4.60 Course: Selectet Topics of Building Studies and Design [T-ARCH-107317]

Responsible: Alex Dill
Prof. Marc Frohn
Prof. Simon Hartmann
Prof. Meinrad Morger

Organisation: KIT Department of Architecture

Part of: M-ARCH-103577 - Selectet Topics of Building Studies and Design

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

Competence Certificate
Other examination requirements consist, as a rule, of seminar papers in written and/or drawn form to the scope of, as a rule, maximum 40 pages and a presentation or an oral presentation taking maximum 20 minutes as a whole.

Prerequisites
none

T 4.61 Course: Seminar Week [T-ARCH-111342]

Responsible: Studiendekan/in Architektur
Organisation: KIT Department of Architecture
Part of: M-ARCH-103602 - Key Qualifications

Type	Credits	Grading scale	Recurrence	Version
Completed coursework	2	pass/fail	Each term	1

Events					
ST 2021	1710124	Seminar week: Script as Method	2 SWS	Seminar / 🖳	Frohn, Panzer
ST 2021	1710304	Seminarweek:Go in search of spices!	2 SWS	Seminar / 🖳	Hartmann, Predojevic, Sekinger
ST 2021	1710365	Seminar Week: Drawing To Go - Floating Images Tell A Story	2 SWS	Seminar / 🖳🗣	Craig
ST 2021	1710412	Seminar week: Media Watch 1970s Architecture Discourses in the Daily News	2 SWS	Block / 🖳	N.N.
ST 2021	1710455	Seminar week: A Change of Speed, a Change of Style: A Walking Experiment	2 SWS	Block / 🗣	Rambow, Schubert
ST 2021	1720509	Seminar week: Tiny House Durlach Sommer - tiny timber tourism	SS 21 SWS	Seminar / 🗣	Wappner, Hoffmann, Schneemann, Hörmann
ST 2021	1720609	Seminar week: Digital tools within the design process		Seminar / 🖳	Hebel, Blümke, Böhm, Hoss, Jager, Lenz, Rausch
ST 2021	1720717	Seminar Week - Coding for Architects		Seminar / 🖳	von Both, Jouini, Koch
ST 2021	1720917	seminar week: dry walls		Block	Wagner, Kosoric, Sander
ST 2021	1720954	Seminarweek: See me, feel me		Block / 🖳	Wagner, Mino Rodriguez, Mann, Rissetto
ST 2021	1731094	Digital City Design | Real-Time Planning Reloaded		Lecture / Practice (	Neppl, Cinar, Haug, Zeile
ST 2021	1731199	Seminarweek: City Portraits - Public Space in Conversation (Engel)		Project (P / 🖳	Engel, Reuß Brezovska, Lev, Fiorentini Elsen
ST 2021	1731219	Seminar Week: Plant-based Pop Up - An Ephemeral Garden in the City (Bava)		Seminar / 🖳🗣	Bava, Gerstberger, Romero Carnicero
ST 2021	1731299	Seminarweek: Expedition on the Doorstep (Inderbitzin)		Project (P / 🖳🗣	Inderbitzin, Grunitz, Kersting, Schork
ST 2021	1741388	Seminar week: Ernst May housing estates in Frankfurt. Virtual walks.		Seminar / 🖳🗣	Gawlik
ST 2021	1741389	Seminar week: From the Archive – The Kunsthalle Karlsruhe	2 SWS	Seminar / 🖳🗣	Medina Warmburg, Morger, Kunkel, Schilling, Schneider, Zaparta

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

Prerequisites
none

T 4.62 Course: Static and Strength of Materials [T-ARCH-107292]

Responsible: Prof. Dr.-Ing. Rosemarie Wagner
Organisation: KIT Department of Architecture

Part of: M-ARCH-103555 - Static and Strength of Materials

Type	Credits	Grading scale	Recurrence	Version
Written examination	4	Grade to a third	Each summer term	2

Events					
ST 2021	1720902	Static and Strength of Materials (lecture)	2 SWS	Lecture /	Wagner
ST 2021	1720903	Static and Strength of Materials (practice)	2 SWS	Practice /	Wagner, Sum
ST 2021	1720904	Static and Strength of Materials (tutorial)	2 SWS	Practice /	Wagner, Sum

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

Competence Certificate
Written exam taking 300 minutes.

Prerequisites
Requirement for the exam application is having passed the coursework "Statics and the Science of Material Strengths - Tutorial". This is made up of several semester-accompanying tutorials that are directly related to the lecture contents.

Modeled Conditions
The following conditions have to be fulfilled:

1. The course T-ARCH-109234 - Static and Strength of Materials - Practical Course must have been passed.

T 4.63 Course: Static and Strength of Materials - Practical Course [T-ARCH-109234]

Responsible: Prof. Dr.-Ing. Rosemarie Wagner
Organisation: KIT Department of Architecture

Part of: M-ARCH-103555 - Static and Strength of Materials

Type	Credits	Grading scale	Recurrence	Version
Completed coursework	0	pass/fail	Each summer term	1

Events					
ST 2021	1720903	Static and Strength of Materials (practice)	2 SWS	Practice /	Wagner, Sum
ST 2021	1720904	Static and Strength of Materials (tutorial)	2 SWS	Practice /	Wagner, Sum

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

Competence Certificate
Completed Coursework made up of several semester-accompanying tutorials that are directly related to the lecture contents.

Prerequisites
none

T 4.64 Course: Structural Analysis [T-ARCH-107330]

Responsible: Prof. Matthias Pfeifer
Organisation: KIT Department of Architecture

Part of: M-ARCH-103590 - Structural Analysis

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

Events					
WT 20/21	1720756	Structural Analysis: Timber Structures	4 SWS	Seminar /	Pfeifer, Özcan, Sedighi
ST 2021	1720752	Structural Analysis: Factory halls	4 SWS	Seminar /	Lauterkorn, Özcan, N.N., Sedighi

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

Competence Certificate
Other examination requirements consisting of the supporting structure analysis of an existing building that is drawn up during the semester, the presentation of the results in an oral talk of about 20 minutes duration and a written paper of maximum 20 pages. The work takes place in groups of two and regular supervision respectively corrections take place.

Prerequisites
none

T 4.65 Course: Structural Design [T-ARCH-107295]

Responsible: Prof. Matthias Pfeifer
Organisation: KIT Department of Architecture

Part of: M-ARCH-103558 - Structural Design

Type	Credits	Grading scale	Recurrence	Version
Written examination	4	Grade to a third	Each winter term	2

Events					
WT 20/21	1720751	Structural Design (Lecture)	2 SWS	Lecture /	Pfeifer, Özcan
WT 20/21	1720752	Structural Design (Exercise)	2 SWS	Practice /	Pfeifer, Lauterkorn, Özcan
WT 20/21	1720753	Structural Design (Tutorial)	2 SWS	Tutorial (/	Pfeifer, Lauterkorn, Özcan

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

Competence Certificate
Written exam taking about 180 minutes on the contents of the lecture.

Prerequisites
Requirement for the exam application is having passed the completed coursework "Supporting Structure Design Composition of the Studio Design".

Modeled Conditions
The following conditions have to be fulfilled:

1. The course T-ARCH-109235 - Structural Design - Practical Course must have been passed.

T 4.66 Course: Structural Design - Practical Course [T-ARCH-109235]

Responsible: Prof. Matthias Pfeifer
Organisation: KIT Department of Architecture

Part of: M-ARCH-103558 - Structural Design

Type	Credits	Grading scale	Recurrence	Version
Completed coursework	0	pass/fail	Each winter term	1

Events					
WT 20/21	1720755	Tragwerksplanerische Durcharbeitung des Studioentwurfs		Others (sons /	Pfeifer, Özcan, Lauterkorn

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

Competence Certificate
Completed coursework consisting of the semester-accompanying structural design composition of the draft project in the module "Studio Material" which is to be worked on and produced during the semester. Working on the design project takes place in the same groups as in the module "Studio Material". In the course of the semester up to three supervisions resp. corrections take place. This part of the progress monitoring occurs during one's studies in the framework of up to two intermediate and one final presentation together with the presentation in the "Studio Material". There the worked out results in the formats drawings, models, texts and presentations are portrayed and evaluated. The presentation duration of the supporting structure design composition is approx. 5 minutes per group.

Prerequisites
none

T 4.67 Course: Survey [T-BGU-108019]

Responsible: Dr.-Ing. Manfred Juretzko
Organisation: KIT Department of Civil Engineering, Geo- and Environmental Sciences
Part of: M-ARCH-103564 - Building History 2

Type	Credits	Grading scale	Recurrence	Version
Completed coursework	1	pass/fail	Each summer term	1

Events					
ST 2021	1741356	Building Survey and Survey	4 SWS	/	Juretzko, Busse

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

Competence Certificate
The completed coursework Surveying consists of prepared calculation exercises and the handing-in of the worked out survey in the form of plans and tables.

Prerequisites
none

T 4.68 Course: Sustainability [T-ARCH-107289]

Responsible: Prof.Dipl.-Ing. Dirk Hebel
Organisation: KIT Department of Architecture
Part of: M-ARCH-103552 - Sustainability

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

Events					
WT 20/21	1720602	Sustainable Construction	2 SWS	Lecture /	Hebel, Pfeifer, Wagner, Neppl

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

Competence Certificate
Other examination requirement that consists of an oral discussion on the topics of the lecture.

Prerequisites
none

T 4.69 Course: Theory of Architecture 1 [T-ARCH-107298]

Responsible: Prof. Dr Georg Vrachliotis
Organisation: KIT Department of Architecture

Part of: M-ARCH-103561 - Theory of Architecture 1

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each winter term	3

Events					
WT 20/21	1710401	Theory of Architecture 1	4 SWS	Lecture /	Vrachliotis

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

Competence Certificate
Other examination requirements consisting of an Open Book Upload exam. The task is digitally supported and must be completed within a defined time window of 90 minutes from home. Aids are permitted. Students download the tasks as a file at the beginning of the time window, work on them digitally and upload the results as a submission immediately after the end of the processing time in a limited time window. The submission includes the declaration of independent processing and indication of the aids.

Prerequisites
Requirement for the exam application is having passed the completed coursework "Architecture Theory 1 - Tutorial".

Modeled Conditions
The following conditions have to be fulfilled:

1. The course T-ARCH-109236 - Theory of Architecture 1 - Practical Course must have been passed.

T 4.70 Course: Theory of Architecture 1 - Practical Course [T-ARCH-109236]

Responsible: Prof. Dr Georg Vrachliotis
Organisation: KIT Department of Architecture

Part of: M-ARCH-103561 - Theory of Architecture 1

Type	Credits	Grading scale	Recurrence	Version
Completed coursework	0	pass/fail	Each winter term	1

Events					
WT 20/21	1710401	Theory of Architecture 1	4 SWS	Lecture /	Vrachliotis

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

Competence Certificate
Completed coursework consisting of the weekly compilation of written position papers on the respective lecture topics of approx. half an A4 page. The minimum number of position papers that have to be handed in will be made public at the start of the university semester (approx. half of the number of lectures).

Prerequisites
none

T 4.71 Course: Theory of Architecture 2 [T-ARCH-107299]

Responsible: Prof. Dr Georg Vrachliotis
Organisation: KIT Department of Architecture

Part of: M-ARCH-103562 - Theory of Architecture 2

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each summer term	3

Events					
ST 2021	1710402	Theory of Architecture 2 - Conflict Topics	4 SWS	Lecture / Practice (/	N.N.

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

Competence Certificate
Other examination requirements consisting of an Open Book Upload exam. The task is digitally supported and must be completed within a defined time window of 90 minutes from home. Aids are permitted. Students download the tasks as a file at the beginning of the time window, work on them digitally and upload the results as a submission immediately after the end of the processing time in a limited time window. The submission includes the declaration of independent processing and indication of the aids.

Prerequisites
Requirement for the exam application is having passed the completed coursework "Architecture Theory 1 - Tutorial".

Modeled Conditions
The following conditions have to be fulfilled:

1. The course T-ARCH-109237 - Theory of Architecture 2 - Practical Course must have been passed.

T 4.72 Course: Theory of Architecture 2 - Practical Course [T-ARCH-109237]

Responsible: Prof. Dr Georg Vrachliotis
Organisation: KIT Department of Architecture

Part of: M-ARCH-103562 - Theory of Architecture 2

Type	Credits	Grading scale	Recurrence	Version
Completed coursework	0	pass/fail	Each summer term	1

Events					
ST 2021	1710402	Theory of Architecture 2 - Conflict Topics	4 SWS	Lecture / Practice (/	N.N.

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

Competence Certificate
Completed Coursework consisting of the weekly compilation of written position papers on the respective lecture topics of approx. half an A4 page. The minimum number of position papers that have to be handed in will be made public at the start of the university semester (approx. half of the number of lectures).

Prerequisites
none

T 4.73 Course: Urban Developent and Construction Planning Law [T-ARCH-107310]

Responsible: apl. Prof. Dr. Jörg Menzel
Prof. Markus Neppl

Organisation: KIT Department of Architecture

Part of: M-ARCH-103573 - Urban Developent and Construction Planning Law

Type	Credits	Grading scale	Recurrence	Version
Written examination	4	Grade to a third	Each summer term	2

Events					
ST 2021	1731051	Urban Developent: Urban Perspectives Basic Concepts of Urban Design and Planning	3 SWS	Lecture / Practice (/	Neppl, Cinar
ST 2021	1731155	Construction Planning Law	2 SWS	Lecture /	Menzel, Finger

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

Competence Certificate
Written exam lasting 120 minutes on the contents of the lecture.

Prerequisites
Requirement for the exam application is having passed the completed coursework "Urban Development - Tutorial". This consists of several tutorials on the contents of the lecture that one has to undertake during the semester.

Modeled Conditions
The following conditions have to be fulfilled:

1. The course T-ARCH-110885 - Urban Development - Practical Course must have been passed.

T 4.74 Course: Urban Development - Practical Course [T-ARCH-110885]

Responsible: Prof. Markus Neppl
Organisation: KIT Department of Architecture
Part of: M-ARCH-103573 - Urban Developent and Construction Planning Law

Type	Credits	Grading scale	Recurrence	Version
Completed coursework	0	pass/fail	Each summer term	1

Events					
ST 2021	1731051	Urban Developent: Urban Perspectives Basic Concepts of Urban Design and Planning	3 SWS	Lecture / Practice (/	Neppl, Cinar

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

Competence Certificate
Completed coursework consisting of several tutorials on the contents of the lecture that one has to undertake during the semester.

Prerequisites
none

T 4.75 Course: Urban Development-, Building- or Art History 1 [T-ARCH-107311]

Responsible: Prof. Dr. Oliver Jehle
Prof. Dr.-Ing. Joaquín Medina Warmburg

Organisation: KIT Department of Architecture

Part of: M-ARCH-103574 - Urban Development-, Building- or Art History 1

Type	Credits	Grading scale	Recurrence	Version
Written examination	4	Grade to a third	Each winter term	1

Events					
WT 20/21	1741311	Art-History: Erasing	2 SWS	Lecture /	Hinterwaldner
WT 20/21	1741353	Urban Development 1	4 SWS	Lecture /	Medina Warmburg

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

Competence Certificate
Written exam lasting 120 minutes on the contents of the respective lectures one has attended.

Prerequisites
none

T 4.76 Course: Urban Development-, Building- or Art History 2 [T-ARCH-107312]

Responsible: Prof. Dr. Oliver Jehle
Prof. Dr.-Ing. Joaquín Medina Warmburg

Organisation: KIT Department of Architecture

Part of: M-ARCH-103575 - Urban Development-, Building- or Art History 2

Type	Credits	Grading scale	Recurrence	Version
Written examination	4	Grade to a third	Each summer term	1

Events					
ST 2021	1740132	Lecture Art History 2: Modelling	2 SWS	Lecture /	Fiorentini Elsen
ST 2021	1741353	Urban History 2	4 SWS	Lecture /	Medina Warmburg, Hinterwaldner

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

Competence Certificate
Written exam lasting 120 minutes on the contents of the respective lectures one has attended.

Prerequisites
none

T 4.77 Course: Visit Lecture Series Bachelor [T-ARCH-109970]

Responsible: Studiendekan/in Architektur
Organisation: KIT Department of Architecture
Part of: M-ARCH-103602 - Key Qualifications

Type	Credits	Grading scale	Recurrence	Version
Completed coursework	1	pass/fail	Each term	1

Events					
WT 20/21	1700000	Karlsruher Architekturvorträge		/	Morger, Wappner
ST 2021	1700000	Karlsruher Architekturvorträge		/	Hebel

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

Competence Certificate
The progress monitoring of the partial completed coursework "Participation in Lecture Series" consists of the confirmation of having visited at least 15 lectures of the lecture series "Karlsruhe Architecture Lectures", "Lecture Series History of Art" or "Construction History Colloquium" of the KIT Department of Architecture.

Prerequisites
none

T 4.78 Course: Visualization Methods [T-ARCH-107320]

Responsible: Udo Beyer
Organisation: KIT Department of Architecture

Part of: M-ARCH-103580 - Visualization Methods

Type	Credits	Grading scale	Recurrence	Version
Examination of another type	4	Grade to a third	Each term	2

Events					
WT 20/21	1710165	Visualisation Methods	1 SWS	Project (P /	Beyer

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

Competence Certificate
Other examination requirements consisting of a documentation of the visualizations carried out in a self-made brochure of 12 - 20 pages DIN A4.

T 4.79 Course: Workshop Introduction [T-ARCH-107340]

Responsible: Willy Abraham
Andreas Heil
Anita Knipper
Manfred Neubig

Organisation: KIT Department of Architecture

Part of: M-ARCH-103602 - Key Qualifications

Type	Credits	Grading scale	Recurrence	Version
Completed coursework	1	pass/fail	Each term	1

Events					
WT 20/21	1700042	Workshop Introduction	1 SWS	/	Knipper, Heil, Neubig, Seeland, Engel, Abraham
ST 2021	1700053	Workshop Introduction	1 SWS	/	Abraham, Heil, Knipper, Neubig, Seeland

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

Competence Certificate
Completed coursework consisting of the "Werkstattführerschein".

Prerequisites
none

Die Forschungsuniversität in der Helmholtz-Gemeinschaft

Karlsruher Institut für Technologie

Amtliche Bekanntmachung

2016 **Ausgegeben Karlsruhe, den 27. Juli 2016** **Nr. 66**

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Studien- und Prüfungsordnung des Karlsruher Instituts für Technologie (KIT) für den Bachelorstudiengang Architektur

vom 26. Juli 2016

Aufgrund von § 10 Absatz 2 Ziff. 5 und § 20 Absatz 2 Satz 1 des Gesetzes über das Karlsruher Institut für Technologie (KIT-Gesetz - KITG) in der Fassung vom 14. Juli 2009 (GBl. S. 317 f), zuletzt geändert durch Artikel 5 des Dritten Gesetzes zur Änderung hochschulrechtlicher Vorschriften (3. Hochschulrechtsänderungsgesetz – 3. HRÄG) vom 01. April 2014 (GBl. S. 99, 167) und § 32 Absatz 3 Satz 1 des Gesetzes über die Hochschulen in Baden-Württemberg (Landeshochschulgesetz - LHG) in der Fassung vom 1. Januar 2005 (GBl. S. 1 f), zuletzt geändert durch Artikel 2 des Gesetzes zur Verwirklichung der Chancengleichheit von Frauen und Männern im öffentlichen Dienst in Baden-Württemberg und zur Änderung des Landeshochschulgesetzes vom 23. Februar 2016 (GBl. S. 108, 118), hat der Senat des KIT am 18. Juli 2016 die folgende Studien- und Prüfungsordnung für den Bachelorstudiengang Architektur beschlossen.

Der Präsident hat seine Zustimmung gemäß § 20 Absatz 2 Satz 1 KITG i.V.m. § 32 Absatz 3 Satz 1 LHG am 26. Juli 2016 erteilt.

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Präambel

Das KIT hat sich im Rahmen der Umsetzung des Bolognaprozesses zum Aufbau eines europäischen Hochschulraumes zum Ziel gesetzt, dass am Abschluss des Studiums am KIT der Mastergrad stehen soll. Das KIT sieht daher die am KIT angebotenen konsekutiven Bachelor- und Masterstudiengänge als Gesamtkonzept mit konsekutivem Curriculum.

I. Allgemeine Bestimmungen

§ 1 Geltungsbereich

Diese Bachelorprüfungsordnung regelt Studienablauf, Prüfungen und den Abschluss des Studiums im Bachelorstudiengang Architektur am KIT.

§ 2 Ziel des Studiums, akademischer Grad

(1) Im Bachelorstudium sollen die wissenschaftlichen Grundlagen und die Methodenkompetenz der Architektur vermittelt werden. Ziel des Studiums ist die Fähigkeit, einen konsekutiven Masterstudiengang erfolgreich absolvieren zu können sowie das erworbene Wissen berufsfeldbezogen anwenden zu können.

(2) Aufgrund der bestandenen Bachelorprüfung wird der akademische Grad „Bachelor of Science (B.Sc.)“ für den Bachelorstudiengang Architektur verliehen.

§ 3 Regelstudienzeit, Studienaufbau, Leistungspunkte

(1) Die Regelstudienzeit beträgt sechs Semester.

(2) Das Lehrangebot des Studiengangs ist in Fächer, die Fächer sind in Module, die jeweiligen Module in Lehrveranstaltungen gegliedert. Die Fächer und ihr Umfang werden in § 20 festgelegt. Näheres beschreibt das Modulhandbuch.

(3) Der für das Absolvieren von Lehrveranstaltungen und Modulen vorgesehene Arbeitsaufwand wird in Leistungspunkten (LP) ausgewiesen. Die Maßstäbe für die Zuordnung von Leistungspunkten entsprechen dem European Credit Transfer System (ECTS). Ein Leistungspunkt entspricht einem Arbeitsaufwand von etwa 30 Zeitstunden. Die Verteilung der Leistungspunkte auf die Semester hat in der Regel gleichmäßig zu erfolgen.

(4) Der Umfang der für den erfolgreichen Abschluss des Studiums erforderlichen Studien- und Prüfungsleistungen wird in Leistungspunkten gemessen und beträgt insgesamt 180 Leistungspunkte.

(5) Lehrveranstaltungen können nach vorheriger Ankündigung auch in englischer Sprache angeboten werden, sofern es deutschsprachige Wahlmöglichkeiten gibt.

§ 4 Modulprüfungen, Studien- und Prüfungsleistungen

(1) Die Bachelorprüfung besteht aus Modulprüfungen. Modulprüfungen bestehen aus einer oder mehreren Erfolgskontrollen.

Erfolgskontrollen gliedern sich in Studien- oder Prüfungsleistungen.

(2) Prüfungsleistungen sind:

1. schriftliche Prüfungen,

2. mündliche Prüfungen oder

3. Prüfungsleistungen anderer Art.

(3) Studienleistungen sind schriftliche, mündliche oder praktische Leistungen, die von den Studierenden in der Regel lehrveranstaltungsbegleitend erbracht werden. Die Bachelorprüfung darf nicht mit einer Studienleistung abgeschlossen werden.

(4) Von den Modulprüfungen sollen mindestens 70 % benotet sein.

(5) Bei sich ergänzenden Inhalten können die Modulprüfungen mehrerer Module durch eine auch modulübergreifende Prüfungsleistung (Absatz 2 Nr.1 bis 3) ersetzt werden.

§ 5 Anmeldung und Zulassung zu den Modulprüfungen und Lehrveranstaltungen

(1) Um an den Modulprüfungen teilnehmen zu können, müssen sich die Studierenden online im Studierendenportal zu den jeweiligen Erfolgskontrollen anmelden. In Ausnahmefällen kann eine Anmeldung schriftlich im Studierendenservice oder in einer anderen, vom Studierendenservice autorisierten Einrichtung erfolgen. Für die Erfolgskontrollen können durch die Prüfenden Anmeldefristen festgelegt werden. Die Anmeldung der Bachelorarbeit ist im Modulhandbuch geregelt.

(2) Sofern Wahlmöglichkeiten bestehen, müssen Studierende, um zu einer Prüfung in einem bestimmten Modul zugelassen zu werden, vor der ersten Prüfung in diesem Modul mit der Anmeldung zu der Prüfung eine bindende Erklärung über die Wahl des betreffenden Moduls und dessen Zuordnung zu einem Fach abgeben. Auf Antrag des/der Studierenden an den Prüfungsausschuss kann die Wahl oder die Zuordnung nachträglich geändert werden. Ein einmal begonnenes Prüfungsverfahren ist zu beenden, d.h. eine erstmals nicht bestandene Prüfung ist zu wiederholen.

(3) Zu einer Erfolgskontrolle ist zuzulassen, wer

1. in den Bachelorstudiengang Architektur am KIT eingeschrieben ist; die Zulassung beurlaubter Studierender ist auf Prüfungsleistungen beschränkt; und

2. nachweist, dass er die im Modulhandbuch für die Zulassung zu einer Erfolgskontrolle festgelegten Voraussetzungen erfüllt und

3. nachweist, dass er in dem Bachelorstudiengang Architektur den Prüfungsanspruch nicht verloren hat.

(4) Nach Maßgabe von § 30 Abs. 5 LHG kann die Zulassung zu einzelnen Pflichtveranstaltungen beschränkt werden. Der/die Prüfende entscheidet über die Auswahl unter den Studierenden, die sich rechtzeitig bis zu dem von dem/der Prüfenden festgesetzten Termin angemeldet haben unter Berücksichtigung des Studienfortschritts dieser Studierenden und unter Beachtung von § 13 Abs. 1 Satz 1 und 2, sofern ein Abbau des Überhangs durch andere oder zusätzliche Veranstaltungen nicht möglich ist. Für den Fall gleichen Studienfortschritts sind durch die KIT-Fakultäten weitere Kriterien festzulegen. Das Ergebnis wird den Studierenden rechtzeitig bekannt gegeben.

(5) Die Zulassung ist abzulehnen, wenn die in Absatz 3 und 4 genannten Voraussetzungen nicht erfüllt sind.

§ 6 Durchführung von Erfolgskontrollen

(1) Erfolgskontrollen werden studienbegleitend, in der Regel im Verlauf der Vermittlung der Lehrinhalte der einzelnen Module oder zeitnah danach, durchgeführt.

(2) Die Art der Erfolgskontrolle (§ 4 Abs. 2 Nr. 1 bis 3, Abs. 3) wird von der/dem Prüfenden der betreffenden Lehrveranstaltung in Bezug auf die Lerninhalte der Lehrveranstaltung und die Lernziele des Moduls festgelegt. Die Art der Erfolgskontrolle, ihre Häufigkeit, Reihenfolge und Gewichtung sowie gegebenenfalls die Bildung der Modulnote müssen mindestens sechs Wochen vor Vorlesungsbeginn im Modulhandbuch bekannt gemacht werden. Im Einvernehmen von Prüfendem und Studierender bzw. Studierendem können die Art der Prüfungsleistung sowie die

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Prüfungssprache auch nachträglich geändert werden; im ersten Fall ist jedoch § 4 Abs. 5 zu berücksichtigen. Bei der Prüfungsorganisation sind die Belange Studierender mit Behinderung oder chronischer Erkrankung gemäß § 13 Abs. 1 zu berücksichtigen. § 13 Abs. 1 Satz 3 und 4 gelten entsprechend.

(3) Bei unvertretbar hohem Prüfungsaufwand kann eine schriftlich durchzuführende Prüfungsleistung auch mündlich, oder eine mündlich durchzuführende Prüfungsleistung auch schriftlich abgenommen werden. Diese Änderung muss mindestens sechs Wochen vor der Prüfungsleistung bekannt gegeben werden.

(4) Bei Lehrveranstaltungen in englischer Sprache (§ 3 Abs. 6) können die entsprechenden Erfolgskontrollen in dieser Sprache abgenommen werden. § 6 Abs. 2 gilt entsprechend.

(5) *Schriftliche Prüfungen* (§ 4 Abs. 2 Nr. 1) sind in der Regel von einer/einem Prüfenden nach § 18 Abs. 2 oder 3 zu bewerten. Sofern eine Bewertung durch mehrere Prüfende erfolgt, ergibt sich die Note aus dem arithmetischen Mittel der Einzelbewertungen. Entspricht das arithmetische Mittel keiner der in § 7 Abs. 2 Satz 2 definierten Notenstufen, so ist auf die nächstliegende Notenstufe auf- oder abzurunden. Bei gleichem Abstand ist auf die nächstbessere Notenstufe zu runden. Das Bewertungsverfahren soll sechs Wochen nicht überschreiten. Schriftliche Prüfungen dauern mindestens 60 und höchstens 300 Minuten.

(6) *Mündliche Prüfungen* (§ 4 Abs. 2 Nr. 2) sind von mehreren Prüfenden (Kollegialprüfung) oder von einer/einem Prüfenden in Gegenwart einer oder eines Beisitzenden als Gruppen- oder Einzelprüfungen abzunehmen und zu bewerten. Vor der Festsetzung der Note hört die/der Prüfende die anderen an der Kollegialprüfung mitwirkenden Prüfenden an. Mündliche Prüfungen dauern in der Regel mindestens 15 Minuten und maximal 60 Minuten pro Studierenden.

Die wesentlichen Gegenstände und Ergebnisse der *mündlichen Prüfung* sind in einem Protokoll festzuhalten. Das Ergebnis der Prüfung ist den Studierenden im Anschluss an die mündliche Prüfung bekannt zu geben.

Studierende, die sich in einem späteren Semester der gleichen Prüfung unterziehen wollen, werden entsprechend den räumlichen Verhältnissen und nach Zustimmung des Prüflings als Zuhörerinnen und Zuhörer bei mündlichen Prüfungen zugelassen. Die Zulassung erstreckt sich nicht auf die Beratung und Bekanntgabe der Prüfungsergebnisse.

(7) Für *Prüfungsleistungen anderer Art* (§ 4 Abs. 2 Nr. 3) sind angemessene Bearbeitungsfristen einzuräumen und Abgabetermine festzulegen. Dabei ist durch die Art der Aufgabenstellung und durch entsprechende Dokumentation sicherzustellen, dass die erbrachte Prüfungsleistung dem/der Studierenden zurechenbar ist. Die wesentlichen Gegenstände und Ergebnisse einer solchen Erfolgskontrolle sind in einem Protokoll festzuhalten.

Bei *mündlich* durchgeführten *Prüfungsleistungen anderer Art* muss neben der/dem Prüfenden ein/e Beisitzende/r anwesend sein, die/der zusätzlich zum/zur Prüfenden das Protokoll zeichnet.

Schriftliche und/oder zeichnerische Arbeiten im Rahmen einer *Prüfungsleistung anderer Art* haben dabei die folgende Erklärung zu tragen: „Ich versichere wahrheitsgemäß, die Arbeit selbstständig angefertigt, alle benutzten Hilfsmittel vollständig und genau angegeben und alles kenntlich gemacht zu haben, was aus Arbeiten anderer unverändert oder mit Abänderungen entnommen wurde.“ Trägt die Arbeit diese Erklärung nicht, wird sie nicht angenommen. Die wesentlichen Gegenstände und Ergebnisse der Erfolgskontrolle sind in einem Protokoll festzuhalten.

§ 6 a Erfolgskontrollen im Antwort-Wahl-Verfahren

Das Modulhandbuch regelt, ob und in welchem Umfang Erfolgskontrollen im Wege des *Antwort-Wahl-Verfahrens* abgelegt werden können

§ 6 b Computergestützte Erfolgskontrollen

(1) Erfolgskontrollen können computergestützt durchgeführt werden. Dabei wird die Antwort bzw. Lösung der/des Studierenden elektronisch übermittelt und, sofern möglich, automatisiert ausgewertet. Die Prüfungsinhalte sind von einer/einem Prüfenden zu erstellen.

(2) Vor der computergestützten Erfolgskontrolle hat die/der Prüfende sicherzustellen, dass die elektronischen Daten eindeutig identifiziert und unverwechselbar und dauerhaft den Studierenden zugeordnet werden können. Der störungsfreie Verlauf einer computergestützten Erfolgskontrolle ist durch entsprechende technische und fachliche Betreuung zu gewährleisten. Alle Prüfungsaufgaben müssen während der gesamten Bearbeitungszeit zur Bearbeitung zur Verfügung stehen.

(3) Im Übrigen gelten für die Durchführung von computergestützten Erfolgskontrollen die §§ 6 bzw. 6 a.

§ 7 Bewertung von Studien- und Prüfungsleistungen

(1) Das Ergebnis einer Prüfungsleistung wird von den jeweiligen Prüfenden in Form einer Note festgesetzt.

(2) Folgende Noten sollen verwendet werden:

sehr gut (very good)	:	hervorragende Leistung,
gut (good)	:	eine Leistung, die erheblich über den durchschnittlichen Anforderungen liegt,
befriedigend (satisfactory)	:	eine Leistung, die durchschnittlichen Anforderungen entspricht,
ausreichend (sufficient)	:	eine Leistung, die trotz ihrer Mängel noch den Anforderungen genügt,
nicht ausreichend (failed)	:	eine Leistung, die wegen erheblicher Mängel nicht den Anforderungen genügt.

Zur differenzierten Bewertung einzelner Prüfungsleistungen sind nur folgende Noten zugelassen:

1,0; 1,3	:	sehr gut
1,7; 2,0; 2,3	:	gut
2,7; 3,0; 3.3	:	befriedigend
3,7; 4,0	:	ausreichend
5,0	:	nicht ausreichend

(3) Studienleistungen werden mit „bestanden“ oder mit „nicht bestanden“ gewertet.

(4) Bei der Bildung der gewichteten Durchschnitte der Modulnoten, der Fachnoten und der Gesamtnote wird nur die erste Dezimalstelle hinter dem Komma berücksichtigt; alle weiteren Stellen werden ohne Rundung gestrichen.

(5) Jedes Modul und jede Erfolgskontrolle darf in demselben Studiengang nur einmal gewertet werden.

(6) Eine Prüfungsleistung ist bestanden, wenn die Note mindestens „ausreichend“ (4,0) ist.

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(7) Die Modulprüfung ist bestanden, wenn alle erforderlichen Erfolgskontrollen bestanden sind. Die Modulprüfung und die Bildung der Modulnote sollen im Modulhandbuch geregelt werden. Sofern das Modulhandbuch keine Regelung über die Bildung der Modulnote enthält, errechnet sich die Modulnote aus einem nach den Leistungspunkten der einzelnen Teilmodule gewichteter Notendurchschnitt. Die differenzierten Noten (Absatz 2) sind bei der Berechnung der Modulnoten als Ausgangsdaten zu verwenden.

(8) Die Ergebnisse der Erfolgskontrollen sowie die erworbenen Leistungspunkte werden durch den Studierendenservice des KIT verwaltet.

(9) Die Noten der Module eines Faches gehen in die Fachnote mit einem Gewicht proportional zu den ausgewiesenen Leistungspunkten der Module ein.

(10) Die Gesamtnote der Bachelorprüfung, die Fachnoten und die Modulnoten lauten:

		bis	1,5	=	sehr gut
von	1,6	bis	2,5	=	gut
von	2,6	bis	3,5	=	befriedigend
von	3,6	bis	4,0	=	ausreichend

§ 8 Orientierungsprüfungen, Verlust des Prüfungsanspruchs

(1) Die Modulprüfungen in den Modulen „Architekturgeometrie und Digitales Gestalten 1“ (4 LP), „Architekturtheorie 1“ (4 LP), „Studio Gefüge“ (10 LP) und „Bauphysik“ (4 LP) sind bis zum Ende des Prüfungszeitraums des zweiten Fachsemesters abzulegen (Orientierungsprüfungen).

(2) Wer die Orientierungsprüfungen einschließlich etwaiger Wiederholungen bis zum Ende des Prüfungszeitraums des dritten Fachsemesters nicht erfolgreich abgelegt hat, verliert den Prüfungsanspruch im Studiengang, es sei denn, dass die Fristüberschreitung nicht selbst zu vertreten ist; hierüber entscheidet der Prüfungsausschuss auf Antrag der oder des Studierenden. Eine zweite Wiederholung der Orientierungsprüfungen ist ausgeschlossen.

(3) Ist die Bachelorprüfung bis zum Ende des Prüfungszeitraums des neunten Fachsemesters einschließlich etwaiger Wiederholungen nicht vollständig abgelegt, so erlischt der Prüfungsanspruch im Studiengang Architektur, es sei denn, dass die Fristüberschreitung nicht selbst zu vertreten ist. Die Entscheidung über eine Fristverlängerung und über Ausnahmen von der Fristregelung trifft der Prüfungsausschuss unter Beachtung der in § 32 Abs. 6 LHG genannten Tätigkeiten auf Antrag des/der Studierenden. Der Antrag ist schriftlich in der Regel bis sechs Wochen vor Ablauf der in Satz 1 genannten Studienhöchstdauer zu stellen.

(4) Der Prüfungsanspruch geht auch verloren, wenn eine nach dieser Studien- und Prüfungsordnung erforderliche Studien- oder Prüfungsleistung endgültig nicht bestanden ist.

§ 9 Wiederholung von Erfolgskontrollen, endgültiges Nichtbestehen

(1) Studierende können eine nicht bestandene schriftliche Prüfung (§ 4 Absatz 2 Nr. 1) einmal wiederholen. Wird eine schriftliche Wiederholungsprüfung mit „nicht ausreichend“ (5,0) bewertet, so findet eine mündliche Nachprüfung im zeitlichen Zusammenhang mit dem Termin der nicht bestandenen Prüfung statt. In diesem Falle kann die Note dieser Prüfung nicht besser als „ausreichend“ (4,0) sein.

(2) Studierende können eine nicht bestandene mündliche Prüfung (§ 4 Absatz 2 Nr. 2) einmal wiederholen.

(3) Wiederholungsprüfungen nach Absatz 1 und 2 müssen in Inhalt, Umfang und Form (mündlich oder schriftlich) der ersten entsprechen. Ausnahmen kann der zuständige Prüfungsausschuss auf Antrag zulassen.

(4) Prüfungsleistungen anderer Art (§ 4 Absatz 2 Nr. 3) können einmal wiederholt werden.

(5) Studienleistungen können mehrfach wiederholt werden.

(6) Die Prüfungsleistung ist endgültig nicht bestanden, wenn die mündliche Nachprüfung im Sinne des Absatzes 1 mit „nicht ausreichend“ (5,0) bewertet wurde. Die Prüfungsleistung ist ferner endgültig nicht bestanden, wenn die mündliche Prüfung im Sinne des Absatzes 2 oder die Prüfungsleistung anderer Art gemäß Absatz 4 zweimal mit „nicht bestanden“ bewertet wurde.

(7) Das Modul ist endgültig nicht bestanden, wenn eine für sein Bestehen erforderliche Prüfungsleistung endgültig nicht bestanden ist.

(8) Eine zweite Wiederholung derselben Prüfungsleistung gemäß § 4 Abs. 2 ist nur in Ausnahmefällen auf Antrag des/der Studierenden zulässig („Antrag auf Zweitwiederholung“). Der Antrag ist schriftlich beim Prüfungsausschuss in der Regel bis zwei Monate nach Bekanntgabe der Note zu stellen.

Über den ersten Antrag eines/einer Studierenden auf Zweitwiederholung entscheidet der Prüfungsausschuss, wenn er den Antrag genehmigt. Wenn der Prüfungsausschuss diesen Antrag ablehnt, entscheidet ein Mitglied des Präsidiums. Über weitere Anträge auf Zweitwiederholung entscheidet nach Stellungnahme des Prüfungsausschusses ein Mitglied des Präsidiums. Wird der Antrag genehmigt, hat die Zweitwiederholung spätestens zum übernächsten Prüfungstermin zu erfolgen. Absatz 1 Satz 2 und 3 gelten entsprechend.

(9) Die Wiederholung einer bestandenen Prüfungsleistung ist nicht zulässig.

(10) Die Bachelorarbeit kann bei einer Bewertung mit „nicht ausreichend“ (5,0) einmal wiederholt werden. Eine zweite Wiederholung der Bachelorarbeit ist ausgeschlossen.

§ 10 Abmeldung; Versäumnis, Rücktritt

(1) Studierende können ihre Anmeldung zu *schriftlichen Prüfungen* ohne Angabe von Gründen bis zur Ausgabe der Prüfungsaufgaben widerrufen (Abmeldung). Eine Abmeldung kann online im Studierendenportal bis 24:00 Uhr des Vortages der Prüfung oder in begründeten Ausnahmefällen beim Studierendenservice innerhalb der Geschäftszeiten erfolgen. Erfolgt die Abmeldung gegenüber dem/der Prüfenden hat diese/r Sorge zu tragen, dass die Abmeldung im Campus Management System verbucht wird.

(2) Bei *mündlichen Prüfungen* muss die Abmeldung spätestens sieben Werktage vor dem betreffenden Prüfungstermin gegenüber dem/der Prüfenden erklärt werden. Der Rücktritt von einer mündlichen Prüfung weniger als sieben Werktage vor dem betreffenden Prüfungstermin ist nur unter den Voraussetzungen des Absatzes 5 möglich. Der Rücktritt von mündlichen Nachprüfungen im Sinne von § 9 Abs. 1 ist grundsätzlich nur unter den Voraussetzungen von Absatz 5 möglich.

(3) Die Abmeldung von Prüfungsleistungen anderer Art hat in der Regel bis sechs Wochen nach Beginn der zugehörigen Lehrveranstaltung zu erfolgen. Die Abmeldung von Studienleistungen ist im Modulhandbuch geregelt.

(4) Eine Erfolgskontrolle gilt als mit „nicht ausreichend“ (5,0) bewertet, wenn die Studierenden einen Prüfungstermin ohne triftigen Grund versäumen oder wenn sie nach Beginn der Erfolgskontrolle ohne triftigen Grund von dieser zurücktreten. Dasselbe gilt, wenn die Bachelorarbeit nicht innerhalb der vorgesehenen Bearbeitungszeit erbracht wird, es sei denn, der/die Studierende hat die Fristüberschreitung nicht zu vertreten.

(5) Der für den Rücktritt nach Beginn der Erfolgskontrolle oder das Versäumnis geltend gemachte Grund muss dem Prüfungsausschuss unverzüglich schriftlich angezeigt und glaubhaft gemacht werden. Bei Krankheit des/der Studierenden oder eines allein zu versorgenden Kindes oder pflegebedürftigen Angehörigen kann die Vorlage eines ärztlichen Attestes verlangt werden.

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§ 11 Täuschung, Ordnungsverstoß

(1) Versuchen Studierende das Ergebnis ihrer Erfolgskontrolle durch Täuschung oder Benutzung nicht zugelassener Hilfsmittel zu beeinflussen, gilt die betreffende Erfolgskontrolle als mit „nicht ausreichend“ (5,0) bewertet.

(2) Studierende, die den ordnungsgemäßen Ablauf einer Erfolgskontrolle stören, können von der/dem Prüfenden oder der Aufsicht führenden Person von der Fortsetzung der Erfolgskontrolle ausgeschlossen werden. In diesem Fall gilt die betreffende Erfolgskontrolle als mit „nicht ausreichend“ (5,0) bewertet. In schwerwiegenden Fällen kann der Prüfungsausschuss diese Studierenden von der Erbringung weiterer Erfolgskontrollen ausschließen.

(3) Näheres regelt die Allgemeine Satzung des KIT zur Redlichkeit bei Prüfungen und Praktika in der jeweils gültigen Fassung.

§ 12 Mutterschutz, Elternzeit, Wahrnehmung von Familienpflichten

(1) Auf Antrag sind die Mutterschutzfristen, wie sie im jeweils gültigen Gesetz zum Schutz der erwerbstätigen Mutter (Mutterschutzgesetz - MuSchG) festgelegt sind, entsprechend zu berücksichtigen. Dem Antrag sind die erforderlichen Nachweise beizufügen. Die Mutterschutzfristen unterbrechen jede Frist nach dieser Prüfungsordnung. Die Dauer des Mutterschutzes wird nicht in die Frist eingerechnet.

(2) Gleichfalls sind die Fristen der Elternzeit nach Maßgabe des jeweils gültigen Gesetzes (Bundeselterngeld- und Elternzeitgesetz - BEEG) auf Antrag zu berücksichtigen. Der/die Studierende muss bis spätestens vier Wochen vor dem Zeitpunkt, von dem an die Elternzeit angetreten werden soll, dem Prüfungsausschuss, unter Beifügung der erforderlichen Nachweise, schriftlich mitteilen, in welchem Zeitraum die Elternzeit in Anspruch genommen werden soll. Der Prüfungsausschuss hat zu prüfen, ob die gesetzlichen Voraussetzungen vorliegen, die bei einer Arbeitnehmerin bzw. einem Arbeitnehmer den Anspruch auf Elternzeit auslösen würden, und teilt dem/der Studierenden das Ergebnis sowie die neu festgesetzten Prüfungszeiten unverzüglich mit. Die Bearbeitungszeit der Bachelorarbeit kann nicht durch Elternzeit unterbrochen werden. Die gestellte Arbeit gilt als nicht vergeben. Nach Ablauf der Elternzeit erhält der/die Studierende ein neues Thema, das innerhalb der in § 14 festgelegten Bearbeitungszeit zu bearbeiten ist.

(3) Der Prüfungsausschuss entscheidet auf Antrag über die flexible Handhabung von Prüfungsfristen entsprechend den Bestimmungen des Landeshochschulgesetzes, wenn Studierende Familienpflichten wahrzunehmen haben. Absatz 2 Satz 4 bis 6 gelten entsprechend.

§ 13 Studierende mit Behinderung oder chronischer Erkrankung

(1) Bei der Gestaltung und Organisation des Studiums sowie der Prüfungen sind die Belange Studierender mit Behinderung oder chronischer Erkrankung zu berücksichtigen. Insbesondere ist Studierenden mit Behinderung oder chronischer Erkrankung bevorzugter Zugang zu teilnahmebegrenzten Lehrveranstaltungen zu gewähren und die Reihenfolge für das Absolvieren bestimmter Lehrveranstaltungen entsprechend ihrer Bedürfnisse anzupassen. Studierende sind gemäß Bundesgleichstellungsgesetz (BGG) und Sozialgesetzbuch Neuntes Buch (SGB IX) behindert, wenn ihre körperliche Funktion, geistige Fähigkeit oder seelische Gesundheit mit hoher Wahrscheinlichkeit länger als sechs Monate von dem für das Lebensalter typischen Zustand abweichen und daher ihre Teilhabe am Leben in der Gesellschaft beeinträchtigt ist. Der Prüfungsausschuss entscheidet auf Antrag der/des Studierenden über das Vorliegen der Voraussetzungen nach Satz 2 und 3. Die/der Studierende hat die entsprechenden Nachweise vorzulegen.

(2) Weisen Studierende eine Behinderung oder chronische Erkrankung nach und folgt daraus, dass sie nicht in der Lage sind, Erfolgskontrollen ganz oder teilweise in der vorgeschriebenen Zeit oder Form abzulegen, kann der Prüfungsausschuss gestatten, die Erfolgskontrollen in ei-

nem anderen Zeitraum oder einer anderen Form zu erbringen. Insbesondere ist behinderten Studierenden zu gestatten, notwendige Hilfsmittel zu benutzen.

(3) Weisen Studierende eine Behinderung oder chronische Erkrankung nach und folgt daraus, dass sie nicht in der Lage sind, die Lehrveranstaltungen regelmäßig zu besuchen oder die gemäß § 20 erforderlichen Studien- und Prüfungsleistungen zu erbringen, kann der Prüfungsausschuss auf Antrag gestatten, dass einzelne Studien- und Prüfungsleistungen nach Ablauf der in dieser Studien- und Prüfungsordnung vorgesehenen Fristen absolviert werden können.

§ 14 Modul Bachelorarbeit

(1) Voraussetzung für die Zulassung zum Modul Bachelorarbeit ist, dass die/der Studierende

1. das Fach „Entwerfen“,

2. das Fach „Integrales Entwerfen“ und

3. zusätzlich Modulprüfungen im Umfang von 76 LP erfolgreich abgelegt hat.

Über Ausnahmen entscheidet der Prüfungsausschuss auf Antrag der/des Studierenden.

(1 a) Dem Modul Bachelorarbeit sind 12 LP zugeordnet. Es besteht aus der Bachelorarbeit und einer Präsentation. Die Bearbeitung und Präsentation hat nach dem vom Prüfungsausschuss vorgegebenen Zeitplan zu erfolgen. Dieser für alle Studierende einheitliche Zeitplan ist mit der Bachelorarbeit auszugegeben.

(2) Die Bachelorarbeit ist ein architektonischer Entwurf. Sie kann von Hochschullehrer/innen und leitenden Wissenschaftler/innen gemäß § 14 Abs. 3 Ziff. 1 KITG vergeben werden. Darüber hinaus kann der Prüfungsausschuss weitere Prüfende gemäß § 18 Abs. 2 und 3 zur Vergabe des Themas berechtigen. Soll die Bachelorarbeit außerhalb der KIT-Fakultät für Architektur angefertigt werden, so bedarf dies der Genehmigung durch den Prüfungsausschuss. Für die Bachelorarbeit stehen in jedem Semester Themen zur Auswahl. Der Prüfungsausschuss bestimmt für jedes Thema einen/eine Betreuer/in. Die Verteilung der Themen auf die Studierenden erfolgt per Zuteilungsverfahren. Näheres regelt das Modulhandbuch. Die Bachelorarbeit kann auch in Form einer Gruppenarbeit zugelassen werden, wenn der als Prüfungsleistung zu bewertende Beitrag der einzelnen Studierenden aufgrund objektiver Kriterien, die eine eindeutige Abgrenzung ermöglichen, deutlich unterscheidbar ist und die Anforderung nach Absatz 4 erfüllt. In Ausnahmefällen sorgt die/der Vorsitzende des Prüfungsausschusses auf Antrag der oder des Studierenden dafür, dass die/der Studierende innerhalb von vier Wochen ein Thema für die Bachelorarbeit erhält. Die Ausgabe des Themas erfolgt in diesem Fall über die/den Vorsitzende/n des Prüfungsausschusses.

(3) Thema, Aufgabenstellung und Umfang der Bachelorarbeit sind von dem Betreuer bzw. der Betreuerin so zu begrenzen, dass sie mit dem in Absatz 4 festgelegten Arbeitsaufwand bearbeitet werden kann.

(4) Die Bachelorarbeit soll zeigen, dass die Studierenden in der Lage sind, ein Problem aus ihrem Studienfach selbstständig und in begrenzter Zeit nach wissenschaftlichen, gestalterischen, konstruktiv-technischen, theoretisch-historischen, städtebaulichen, organisatorischen und entwerferischen Methoden zu bearbeiten. Die maximale Bearbeitungsdauer beträgt drei Monate. Thema und Aufgabenstellung sind an den vorgesehenen Umfang anzupassen. Der Prüfungsausschuss legt fest, in welchen Sprachen die Bachelorarbeit geschrieben werden kann. Auf Antrag des Studierenden kann der/die Prüfende genehmigen, dass die Bachelorarbeit in einer anderen Sprache als Deutsch geschrieben wird.

(5) Bei der Abgabe der Bachelorarbeit haben die Studierenden schriftlich zu versichern, dass sie die Arbeit selbstständig verfasst und keine anderen als die angegebenen Quellen und Hilfsmittel benutzt haben, die wörtlich oder inhaltlich übernommenen Stellen als solche kenntlich gemacht und die Satzung des KIT zur Sicherung guter wissenschaftlicher Praxis in der jeweils gültigen Fassung beachtet haben. Wenn diese Erklärung nicht enthalten ist, wird die Arbeit nicht angenommen. Die Erklärung kann wie folgt lauten: „Ich versichere wahrheitsgemäß, die Arbeit selbstständig verfasst, alle benutzten Hilfsmittel vollständig und genau angegeben und alles

kenntlich gemacht zu haben, was aus Arbeiten anderer unverändert oder mit Abänderungen entnommen wurde sowie die Satzung des KIT zur Sicherung guter wissenschaftlicher Praxis in der jeweils gültigen Fassung beachtet zu haben.“ Bei Abgabe einer unwahren Versicherung wird die Bachelorarbeit mit „nicht ausreichend“ (5,0) bewertet.

(6) Der Zeitpunkt der Ausgabe des Themas der Bachelorarbeit ist durch die Betreuerin/ den Betreuer und die/den Studierenden festzuhalten und dies beim Prüfungsausschuss aktenkundig zu machen. Der Zeitpunkt der Abgabe der Bachelorarbeit ist durch den/die Prüfende/n beim Prüfungsausschuss aktenkundig zu machen. Das Thema kann nur einmal und nur innerhalb des ersten Monats der Bearbeitungszeit zurückgegeben werden. Macht der oder die Studierende einen triftigen Grund geltend, kann der Prüfungsausschuss die in Absatz 3 festgelegte Bearbeitungszeit auf Antrag der oder des Studierenden um höchstens einen Monat verlängern. Wird die Bachelorarbeit nicht fristgerecht abgeliefert, gilt sie als mit „nicht ausreichend“ (5,0) bewertet, es sei denn, dass die Studierenden dieses Versäumnis nicht zu vertreten haben.

(7) Die Bachelorarbeit wird von mindestens einem/einer Hochschullehrer/in oder einem/einer leitenden Wissenschaftler/in gemäß § 14 Abs. 3 Ziff. 1 KITG und einem/einer weiteren Prüfenden bewertet. In der Regel ist eine/r der Prüfenden die Person, die die Arbeit gemäß Absatz 2 vergeben hat. Bei nicht übereinstimmender Beurteilung dieser beiden Personen setzt der Prüfungsausschuss im Rahmen der Bewertung dieser beiden Personen die Note der Bachelorarbeit fest; er kann auch einen weiteren Gutachter bestellen. Die Bewertung hat innerhalb von sechs Wochen nach Abgabe der Bachelorarbeit zu erfolgen.

§ 15 Zusatzleistungen

(1) Es können auch weitere Leistungspunkte (Zusatzleistungen) im Umfang von höchstens 30 LP aus dem Gesamtangebot des KIT erworben werden. § 3 und § 4 der Prüfungsordnung bleiben davon unberührt. Diese Zusatzleistungen gehen nicht in die Festsetzung der Gesamt- und Modulnoten ein. Die bei der Festlegung der Modulnote nicht berücksichtigten LP werden als Zusatzleistungen im Transcript of Records aufgeführt und als Zusatzleistungen gekennzeichnet. Auf Antrag der/des Studierenden werden die Zusatzleistungen in das Bachelorzeugnis aufgenommen und als Zusatzleistungen gekennzeichnet. Zusatzleistungen werden mit den nach § 7 vorgesehenen Noten gelistet.

(2) Die Studierenden haben bereits bei der Anmeldung zu einer Prüfung in einem Modul diese als Zusatzleistung zu deklarieren. Auf Antrag der Studierenden kann die Zuordnung des Moduls später geändert werden.

§ 15 a Mastervorzug

Studierende, die im Bachelorstudium bereits mindestens 120 LP erworben haben, können zusätzlich zu den in § 15 Abs. 1 genannten Zusatzleistungen Leistungspunkte aus einem konsekutiven Masterstudiengang am KIT im Umfang von höchstens 30 LP erwerben (Mastervorzugsleistungen). § 3 und § 4 der Prüfungsordnung bleiben davon unberührt. Die Mastervorzugsleistungen gehen nicht in die Festsetzung der Gesamt-, Fach- und Modulnoten ein. Sie werden im Transcript of Records aufgeführt und als solche gekennzeichnet sowie mit den nach § 7 vorgesehenen Noten gelistet. § 15 Absatz 2 gilt entsprechend. Es können nur Module der Fächer „Bautechnik“, „Geschichte, Kunst und Theorie“, „Gebäudeplanung“, „Stadt- und Landschaftsplanung“ sowie „Vertiefung“ und „Überfachliche Qualifikationen“ des Masterstudiengangs Architektur als Mastervorzugsleistung erbracht werden.

§ 16 Überfachliche Qualifikationen

Neben der Vermittlung von fachlichen Qualifikationen ist der Auf- und Ausbau überfachlicher Qualifikationen im Umfang von mindestens 6 LP Bestandteil eines Bachelorstudiums. Überfachliche Qualifikationen können additiv oder integrativ vermittelt werden.

§ 17 Prüfungsausschuss

(1) Für den Bachelorstudiengang Architektur wird ein Prüfungsausschuss gebildet. Er besteht aus fünf stimmberechtigten Mitgliedern: drei Hochschullehrer/innen/ leitenden Wissenschaftler/innen gemäß § 14 Abs. 3 Ziff. 1 KITG / Privatdozentinnen bzw. -dozenten, zwei akademischen Mitarbeiterinnen und Mitarbeitern nach § 52 LHG / wissenschaftlichen Mitarbeiter/innen gemäß § 14 Abs. 3 Ziff. 2 KITG und einer bzw. einem Studierenden mit beratender Stimme. Im Falle der Einrichtung eines gemeinsamen Prüfungsausschusses für den Bachelor- und den Masterstudiengang Architektur erhöht sich die Anzahl der Studierenden auf zwei Mitglieder mit beratender Stimme, wobei je eine bzw. einer dieser Beiden aus dem Bachelor- und aus dem Masterstudiengang stammt. Die Amtszeit der nichtstudentischen Mitglieder beträgt zwei Jahre, die des studentischen Mitglieds ein Jahr.

(2) Die/der Vorsitzende, ihre/sein Stellvertreter/in, die weiteren Mitglieder des Prüfungsausschusses sowie deren Stellvertreter/innen werden von dem KIT-Fakultätsrat bestellt, die akademischen Mitarbeiter/innen nach § 52 LHG, die wissenschaftlichen Mitarbeiter gemäß § 14 Abs. 3 Ziff. 2 KITG und die Studierenden auf Vorschlag der Mitglieder der jeweiligen Gruppe; Wiederbestellung ist möglich. Die/der Vorsitzende und deren/dessen Stellvertreter/in müssen Hochschullehrer/innen oder leitende Wissenschaftler/innen § 14 Abs. 3 Ziff. 1 KITG sein. Die/der Vorsitzende des Prüfungsausschusses nimmt die laufenden Geschäfte wahr und wird durch das jeweilige Prüfungssekretariat unterstützt.

(3) Der Prüfungsausschuss achtet auf die Einhaltung der Bestimmungen dieser Studien- und Prüfungsordnung und fällt die Entscheidungen in Prüfungsangelegenheiten. Er entscheidet über die Anerkennung von Studienzeiten sowie Studien- und Prüfungsleistungen und trifft die Feststellung gemäß § 19 Absatz 1 Satz 1. Er berichtet der KIT-Fakultät regelmäßig über die Entwicklung der Prüfungs- und Studienzeiten, einschließlich der Bearbeitungszeiten für die Bachelorarbeiten und die Verteilung der Modul- und Gesamtnoten. Er ist zuständig für Anregungen zur Reform der Studien- und Prüfungsordnung und zu Modulbeschreibungen. Der Prüfungsausschuss entscheidet mit der Mehrheit seiner Stimmen. Bei Stimmengleichheit entscheidet der Vorsitzende des Prüfungsausschusses.

(4) Der Prüfungsausschuss kann die Erledigung seiner Aufgaben für alle Regelfälle auf die/den Vorsitzende/n des Prüfungsausschusses übertragen. In dringenden Angelegenheiten, deren Erledigung nicht bis zu der nächsten Sitzung des Prüfungsausschusses warten kann, entscheidet die/der Vorsitzende des Prüfungsausschusses.

(5) Die Mitglieder des Prüfungsausschusses haben das Recht, der Abnahme von Prüfungen beizuwohnen. Die Mitglieder des Prüfungsausschusses, die Prüfenden und die Beisitzenden unterliegen der Verschwiegenheit. Sofern sie nicht im öffentlichen Dienst stehen, sind sie durch die/den Vorsitzende/n zur Verschwiegenheit zu verpflichten.

(6) In Angelegenheiten des Prüfungsausschusses, die eine an einer anderen KIT-Fakultät zu absolvierende Prüfungsleistung betreffen, ist auf Antrag eines Mitgliedes des Prüfungsausschusses eine fachlich zuständige und von der betroffenen KIT-Fakultät zu nennende prüfungsberechtigte Person hinzuzuziehen.

(7) Belastende Entscheidungen des Prüfungsausschusses sind schriftlich mitzuteilen. Sie sind zu begründen und mit einer Rechtsbehelfsbelehrung zu versehen. Vor einer Entscheidung ist Gelegenheit zur Äußerung zu geben. Widersprüche gegen Entscheidungen des Prüfungsausschusses sind innerhalb eines Monats nach Zugang der Entscheidung schriftlich oder zur Niederschrift bei diesem einzulegen. Über Widersprüche entscheidet das für Lehre zuständige Mitglied des Präsidiums.

§ 18 Prüfende und Beisitzende

(1) Der Prüfungsausschuss bestellt die Prüfenden. Er kann die Bestellung der/dem Vorsitzenden übertragen.

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(2) Prüfende sind Hochschullehr/innen sowie leitende Wissenschaftler/innen gemäß § 14 Abs. 3 Ziff. 1 KITG, habilitierte Mitglieder und akademische Mitarbeiter/innen gemäß § 52 LHG, welche der KIT-Fakultät angehören und denen die Prüfungsbefugnis übertragen wurde; desgleichen kann wissenschaftlichen Mitarbeitern gemäß § 14 Abs. 3 Ziff. 2 KITG die Prüfungsbefugnis übertragen werden. Bestellt werden darf nur, wer mindestens die dem jeweiligen Prüfungsgegenstand entsprechende fachwissenschaftliche Qualifikation erworben hat.

(3) Soweit Lehrveranstaltungen von anderen als den unter Absatz 2 genannten Personen durchgeführt werden, sollen diese zu Prüfenden bestellt werden, sofern die KIT-Fakultät eine Prüfungsbefugnis erteilt hat und sie die gemäß Absatz 2 Satz 2 vorausgesetzte Qualifikation nachweisen können.

(4) Die Beisitzenden werden durch die Prüfenden benannt. Zu Beisitzenden darf nur bestellt werden, wer einen akademischen Abschluss in einem Studiengang der Architektur oder in einem verwandten Studiengang erworben hat.

§ 19 Anerkennung von Studien- und Prüfungsleistungen, Studienzeiten

(1) Studien- und Prüfungsleistungen sowie Studienzeiten, die in Studiengängen an staatlichen oder staatlich anerkannten Hochschulen und Berufsakademien der Bundesrepublik Deutschland oder an ausländischen staatlichen oder staatlich anerkannten Hochschulen erbracht wurden, werden auf Antrag der Studierenden anerkannt, sofern hinsichtlich der erworbenen Kompetenzen kein wesentlicher Unterschied zu den Leistungen oder Abschlüssen besteht, die ersetzt werden sollen. Dabei ist kein schematischer Vergleich, sondern eine Gesamtbetrachtung vorzunehmen. Bezüglich des Umfangs einer zur Anerkennung vorgelegten Studienleistung (Anrechnung) werden die Grundsätze des ECTS herangezogen.

(2) Die Studierenden haben die für die Anerkennung erforderlichen Unterlagen vorzulegen. Studierende, die neu in den Studiengang Architektur immatrikuliert wurden, haben den Antrag mit den für die Anerkennung erforderlichen Unterlagen innerhalb eines Semesters nach Immatrikulation zu stellen. Bei Unterlagen, die nicht in deutscher oder englischer Sprache vorliegen, kann eine amtlich beglaubigte Übersetzung verlangt werden. Die Beweislast dafür, dass der Antrag die Voraussetzungen für die Anerkennung nicht erfüllt, liegt beim Prüfungsausschuss.

(3) Werden Leistungen angerechnet, die nicht am KIT erbracht wurden, werden sie im Zeugnis als „anerkannt“ ausgewiesen. Liegen Noten vor, werden die Noten, soweit die Notensysteme vergleichbar sind, übernommen und in die Berechnung der Modulnoten und der Gesamtnote einbezogen. Sind die Notensysteme nicht vergleichbar, können die Noten umgerechnet werden. Liegen keine Noten vor, wird der Vermerk „bestanden“ aufgenommen.

(4) Bei der Anerkennung von Studien- und Prüfungsleistungen, die außerhalb der Bundesrepublik Deutschland erbracht wurden, sind die von der Kultusministerkonferenz und der Hochschulrektorenkonferenz gebilligten Äquivalenzvereinbarungen sowie Absprachen im Rahmen der Hochschulpartnerschaften zu beachten.

(5) Außerhalb des Hochschulsystems erworbene Kenntnisse und Fähigkeiten werden angerechnet, wenn sie nach Inhalt und Niveau den Studien- und Prüfungsleistungen gleichwertig sind, die ersetzt werden sollen und die Institution, in der die Kenntnisse und Fähigkeiten erworben wurden, ein genormtes Qualitätssicherungssystem hat. Die Anrechnung kann in Teilen versagt werden, wenn mehr als 50 Prozent des Hochschulstudiums ersetzt werden soll.

(6) Zuständig für Anerkennung und Anrechnung ist der Prüfungsausschuss. Im Rahmen der Feststellung, ob ein wesentlicher Unterschied im Sinne des Absatz 1 vorliegt, sind die zuständigen Fachvertreter/innen zu hören. Der Prüfungsausschuss entscheidet in Abhängigkeit von Art und Umfang der anzurechnenden Studien- und Prüfungsleistungen über die Einstufung in ein höheres Fachsemester.

II. Bachelorprüfung

§ 20 Umfang und Art der Bachelorprüfung

(1) Die Bachelorprüfung besteht aus den Modulprüfungen nach Absatz 2 sowie dem Modul Bachelorarbeit (§ 14)

(2) Es sind Modulprüfungen in folgenden Pflichtfächern abzulegen:

1. Entwerfen:	Modul(e) im Umfang von 40 LP
2. Integrales Entwerfen:	Modul(e) im Umfang von 14 LP
3. Bautechnik:	Modul(e) im Umfang von 32 LP
4. Theoretische und historische Grundlagen:	Modul(e) im Umfang von 20 LP
5. Gestalten und Darstellen:	Modul(e) im Umfang von 20 LP
6. Stadt- und Landschaftsplanung:	Modul(e) im Umfang von 20 LP,
7. Vertiefung:	Modul(e) im Umfang von 16 LP
8. : Überfachliche Qualifikationen im Umfang von 6 LP gemäß § 16	

Die Festlegung der zur Auswahl stehenden Module und deren Fachzuordnung werden im Modulhandbuch getroffen.

(3) Die Teilnahme an im Einzelnen festgelegten Exkursionen ist Pflicht (Pflichtexkursionen). Näheres regeln die „Richtlinien zur Durchführung von Exkursionen des Karlsruher Instituts für Technologie (KIT)“ sowie das Modulhandbuch.

§ 21 Bestehen der Bachelorprüfung, Bildung der Gesamtnote

(1) Die Bachelorprüfung ist bestanden, wenn alle in § 20 genannten Modulprüfungen mindestens mit „ausreichend“ bewertet wurden.

(2) Die Gesamtnote der Bachelorprüfung errechnet sich als ein mit Leistungspunkten gewichteter Notendurchschnitt der Fachnoten sowie des Moduls Bachelorarbeit. Dabei werden die Noten der Fächer “Entwerfen“ und „Integrales Entwerfen“ und des Moduls Bachelorarbeit jeweils mit dem doppelten Gewicht der Noten der übrigen Fächer berücksichtigt.

(3) Haben Studierende die Bachelorarbeit mit der Note 1,0 und die Bachelorprüfung mit einem Durchschnitt von 1,2 oder besser abgeschlossen, so wird das Prädikat „mit Auszeichnung“ (with distinction) verliehen.

§ 22 Bachelorzeugnis, Bachelorurkunde, Diploma Supplement und Transcript of Records

(1) Über die Bachelorprüfung werden nach Bewertung der letzten Prüfungsleistung eine Bachelorurkunde und ein Zeugnis erstellt. Die Ausfertigung von Bachelorurkunde und Zeugnis soll nicht später als drei Monate nach Ablegen der letzten Prüfungsleistung erfolgen. Bachelorurkunde und Bachelorzeugnis werden in deutscher und englischer Sprache ausgestellt. Bachelorurkunde und Zeugnis tragen das Datum der erfolgreichen Erbringung der letzten Prüfungsleistung. Diese Dokumente werden den Studierenden zusammen ausgehändigt. In der Bachelorurkunde wird die Verleihung des akademischen Bachelorgrades beurkundet. Die Bachelorurkunde wird von dem Präsidenten und der KIT-Dekanin/ dem KIT-Dekan der KIT-Fakultät unterzeichnet und mit dem Siegel des KIT versehen.

(2) Das Zeugnis enthält die Fach- und Modulnoten sowie die den Modulen und Fächern zugeordnete Leistungspunkte und die Gesamtnote. Sofern gemäß § 7 Abs. 2 Satz 2 eine differenzierte Bewertung einzelner Prüfungsleitungen vorgenommen wurde, wird auf dem Zeugnis auch die

entsprechende Dezimalnote ausgewiesen; § 7 Abs. 4 bleibt unberührt. Das Zeugnis ist von der KIT-Dekanin/ dem KIT-Dekan der KIT-Fakultät und von der/dem Vorsitzenden des Prüfungsausschusses zu unterzeichnen.

(3) Mit dem Zeugnis erhalten die Studierenden ein Diploma Supplement in deutscher und englischer Sprache, das den Vorgaben des jeweils gültigen ECTS Users‘ Guide entspricht, sowie ein Transcript of Records in deutscher und englischer Sprache.

(4) Das Transcript of Records enthält in strukturierter Form alle erbrachten Studien- und Prüfungsleistungen. Dies beinhaltet alle Fächer und Fachnoten samt den zugeordneten Leistungspunkten, die dem jeweiligen Fach zugeordneten Module mit den Modulnoten und zugeordneten Leistungspunkten sowie die den Modulen zugeordneten Erfolgskontrollen samt Noten und zugeordneten Leistungspunkten. Absatz 2 Satz 2 gilt entsprechend. Aus dem Transcript of Records soll die Zugehörigkeit von Lehrveranstaltungen zu den einzelnen Modulen deutlich erkennbar sein. Angerechnete Studien- und Prüfungsleistungen sind im Transcript of Records aufzunehmen. Alle Zusatzleistungen werden im Transcript of Records aufgeführt.

(5) Die Bachelorurkunde, das Bachelorzeugnis und das Diploma Supplement einschließlich des Transcript of Records werden vom Studierendenservice des KIT ausgestellt.

III. Schlussbestimmungen

§ 23 Bescheinigung von Prüfungsleistungen

Haben Studierende die Bachelorprüfung endgültig nicht bestanden, wird ihnen auf Antrag und gegen Vorlage der Exmatrikulationsbescheinigung eine schriftliche Bescheinigung ausgestellt, die die erbrachten Studien- und Prüfungsleistungen und deren Noten enthält und erkennen lässt, dass die Prüfung insgesamt nicht bestanden ist. Dasselbe gilt, wenn der Prüfungsanspruch erloschen ist.

§ 24 Aberkennung des Bachelorgrades

(1) Haben Studierende bei einer Prüfungsleistung getäuscht und wird diese Tatsache nach der Aushändigung des Zeugnisses bekannt, so können die Noten der Modulprüfungen, bei denen getäuscht wurde, berichtigt werden. Gegebenenfalls kann die Modulprüfung für „nicht ausreichend“ (5,0) und die Bachelorprüfung für „nicht bestanden“ erklärt werden.

(2) Waren die Voraussetzungen für die Zulassung zu einer Prüfung nicht erfüllt, ohne dass Studierende darüber täuschen wollte, und wird diese Tatsache erst nach Aushändigung des Zeugnisses bekannt, wird dieser Mangel durch das Bestehen der Prüfung geheilt. Hat die/der Studierende die Zulassung vorsätzlich zu Unrecht erwirkt, so kann die Modulprüfung für „nicht ausreichend“ (5,0) und die Bachelorprüfung für „nicht bestanden“ erklärt werden.

(3) Vor einer Entscheidung des Prüfungsausschusses ist Gelegenheit zur Äußerung zu geben.

(4) Das unrichtige Zeugnis ist zu entziehen und gegebenenfalls ein neues zu erteilen. Mit dem unrichtigen Zeugnis ist auch die Bachelorurkunde einzuziehen, wenn die Bachelorprüfung aufgrund einer Täuschung für „nicht bestanden“ erklärt wurde.

(5) Eine Entscheidung nach Absatz 1 und Absatz 2 Satz 2 ist nach einer Frist von fünf Jahren ab dem Datum des Zeugnisses ausgeschlossen.

(6) Die Aberkennung des akademischen Grades richtet sich nach § 36 Abs. 7 LHG.

§ 25 Einsicht in die Prüfungsakten

(1) Nach Abschluss der Bachelorprüfung wird den Studierenden auf Antrag innerhalb eines Jahres Einsicht in das Prüfungsexemplar ihrer Bachelorarbeit, die darauf bezogenen Gutachten und in die Prüfungsprotokolle gewährt.

(2) Für die Einsichtnahme in die schriftlichen Modulprüfungen, schriftlichen Modulteilprüfungen bzw. Prüfungsprotokolle gilt eine Frist von einem Monat nach Bekanntgabe des Prüfungsergebnisses.

(3) Der/die Prüfende bestimmt Ort und Zeit der Einsichtnahme.

(4) Prüfungsunterlagen sind mindestens fünf Jahre aufzubewahren.

§ 26 Inkrafttreten, Übergangsvorschriften

(1) Diese Studien- und Prüfungsordnung tritt am 01. Oktober 2016 in Kraft und gilt für

1. Studierende, die ihr Studium im Bachelorstudiengang Architektur am KIT im ersten Fachsemester aufnehmen, sowie für

2. Studierende, die ihr Studium im Bachelorstudiengang Architektur am KIT in einem höheren Fachsemester aufnehmen, sofern dieses Fachsemester nicht über dem Fachsemester liegt, das der erste Jahrgang nach Ziff. 1 erreicht hat.

(2) Gleichzeitig wird die Studien- und Prüfungsordnung des Karlsruher Instituts für Technologie (KIT) für den Bachelorstudiengang Architektur vom 03.März 2016 (Amtliche Bekanntmachung des Karlsruher Instituts für Technologie (KIT) Nr. 11 vom 07. März 2016) aufgehoben. Die Studien- und Prüfungsordnung der Universität Karlsruhe (TH) für den Bachelorstudiengang Architektur vom 23. Juli 2009 (Amtliche Bekanntmachung der Universität Karlsruhe (TH) Nr. 64 vom 23. Juli 2009) in der Fassung der Satzung zur Änderung der Studien- und Prüfungsordnung des Karlsruher Instituts für Technologie (KIT) für den Bachelorstudiengang Architektur vom 02. April 2012 (Amtliche Bekanntmachung des KIT Nr. 8 vom 02. April 2012) tritt zeitgleich außer Kraft.

(3) Studierende, die auf Grundlage der Studien- und Prüfungsordnung der Universität Karlsruhe (TH) für den Bachelorstudiengang Architektur vom 23. Juli 2009 (Amtliche Bekanntmachung der Universität Karlsruhe (TH) Nr. 64 vom 23. Juli 2009) in der Fassung der Satzung zur Änderung der Studien- und Prüfungsordnung des Karlsruher Instituts für Technologie (KIT) für den Bachelorstudiengang Architektur vom 02. April 2012 (Amtliche Bekanntmachung des KIT Nr. 8 vom 02. April 2012) ihr Studium am KIT aufgenommen haben, können Prüfungen auf Grundlage dieser Studien- und Prüfungsordnung letztmalig zum Ende des Prüfungszeitraums des Sommersemesters 2020 ablegen.

(4) Studierende, die auf Grundlage der Studien- und Prüfungsordnung der Universität Karlsruhe (TH) für den Bachelorstudiengang Architektur vom 23. Juli 2009 (Amtliche Bekanntmachung der Universität Karlsruhe (TH) Nr. 64 vom 23. Juli2009) in der Fassung der Satzung zur Änderung der Studien- und Prüfungsordnung des Karlsruher Instituts für Technologie (KIT) für den Bachelorstudiengang Architektur vom 02. April 2012 (Amtliche Bekanntmachung des KIT Nr. 8 vom 02. April 2012) ihr Studium am KIT aufgenommen haben, können auf Antrag ihr Studium nach der vorliegenden Studien- und Prüfungsordnung fortsetzen.

Karlsruhe, den 26. Juli 2016

Prof. Dr.-Ing. Holger Hanselka
(Präsident)