ELECTIVE COURSES

CURRENT ELECTIVE MODULES BACHELOR ARCHITECTURE

Module title
Presentation Strategies
Presentation Strategies
Special Topics in Structural Design
Context: Architecture and Landscape
Cultural Competence
Special area of building theory
Drawing for architects
Design strategies
Special topics in a historical context
Special topics in technology
Designing in timber construction
Building information modeling
Campus credits
Special topics in architecture
Documentation, Reflection
Designing in Detail
Workshops and symposia
Student competitions
Artistic Design I

Information on the elective modules:

At the end of each semester, the examination board for the Architecture program in the Design department publishes a catalog for the Bachelor's program in Architecture with the courses offered in the following semester. In addition, Bachelor's students are informed again at the beginning of their studies about the options available in the elective area. Furthermore, the lecturers present the modules during the first week of lectures.

Module enrollment:
According to the curriculum for the Bachelor's program in Architecture, students take one elective module per semester from the 3rd to the 6th semester, so that by the end of their studies, students have completed a total of four elective modules from the range of electives on offer. All elective modules are worth 3 ECTS credits and have a contact time of 2 SWS.

Module title: Presentation Strategies				**Module no.: BAR WM 1**	
Module duration	Semester in which the module takes place	Frequency		Credit points (ECTS)	Weighting of the grade for the final grade
1 Semester	From the 3rd semester	☐ Every winter semester ☐ every summer semester ☒ if necessary		3 ECTS	Based on the subject-specific study regulations
Courses/Teaching methods		Contact time	Self-study	Total workload for students	
Lecture, seminar, exercise		2 hours per week / 30 hours	60 hours	90 hours	

Competency goals (learning outcomes)

- In the elective module "Presentation Strategies," students learn in-depth presentation and layout techniques at different scales.
- By analyzing exemplary plan presentations and the presentation techniques they have learned, they will be able to present their own designs in the best possible way using the options available to them.
- Students will learn to visually present various presentation and layout techniques to a group.

Contents

- In 12 steps, each student designs a small project, lays it out in the best possible way in different variants, explains it, presents it, and makes it presentable for print or online media.
  This includes the presentation of floor plans, sections, and elevations, as well as explanatory pictograms, interior and exterior perspectives, site plans and black plans, texts, headings, and the selection of the appropriate sheet format.
- At the end of the module, the work is presented in a competition, evaluated by a jury, and prizes are awarded to the best-presented work.
- The competition criteria focus less on the quality of the design and more on the presentation techniques used.

Usability of the module

BA Architecture	☐ Compulsory subject	☒ Elective

Recommended degree program

Subject-specific architecture.

Recommended prerequisites for participation

None

Examination		Prerequisite for the award of ECTS
☐ Written exam ☐ oral exam ☐ Internship /laboratory performance ☐ Colloquium	☒ Project presentation ☐ Portfolio ☐ Seminar paper and term paper ☐ Practical examination	Minimum grade of satisfactory
Instructor		Module coordinator
Variable, instructors of the architecture program		Program director

Literature/learning aids

- Ingo Klöcker: Sketching Techniques – For Engineers, Designers, Architects, Planners, Creatives – Correct Perspective and Guaranteed Easy to Learn / TwentySix, 2017
- Eberhard Holder, Martin Peukert: Representation and Presentation – Designing Freehand and with Computer Tools – A Handbook / DVA, 2002
- Frank P. Jäger, et al.: Offensive Architecture - Presentation, Public Relations, and Marketing for Architects / Jovis, 2004
- Blogs, websites of architectural firms, architecture forums
- Current print and online media that reflect the state of the art

Maximum number of participants
17
Status: WS 2025/2026

Module title: Presentation strategies				**Module no.: BAR WM 2**	
Module duration	Semester in which the module takes place	Frequency		Credit points (ECTS)	Weighting of the grade for the final grade
1 Semester	From the 3rd semester	☐ Every winter semester ☐ Every summer semester ☒ as needed		3 ECTS	Based on the subject-specific study regulations
Courses/teaching methods		Contact time	Self-study	Total workload for students	
Lecture, seminar, exercise		2 hours per week / 30 hours	60 hours	90 hours	

Competency goals (learning outcomes)

- Students use their personal presentation strategies to communicate and disseminate project information in the best possible way.
- To do this, they use specific tools such as text, pictograms, and verbal strategies.

Contents

- Using a clear draft project, strategies for textual and verbal explanations as well as for various forms of presentation are taught and developed.
- In a second step, the drafts are made presentable for print or online media.
- The various forms of presentation must support the draft as effectively as possible and be structured according to the logical sequence of an oral project explanation.
- Clear "redrawings" of the project parts are converted into easily understandable and quickly readable graphics for publication on the Internet.
- This module is linked in terms of content to the elective module "Presentation Strategies." Together, both modules teach specific skills in the areas of layout, text, and presentation.

Usability of the module		
BA Architecture	☐ Compulsory subject	☒ Elective

Recommended degree program

Subject-specific architecture.

Recommended prerequisites for participation

None

Examination		Prerequisite for the award of ECTS
☐ Written ☐ Oral exam ☐ Internship /laboratory work ☐ Colloquium	☒ Project presentation ☐ Portfolio ☐ Seminar paper and term paper ☐ Practical examination	Minimum grade of satisfactory
Instructor		Module coordinator
Variable, lecturers of the degree program		Program director

Literature/learning aids

- Ingo Klöcker: Sketching Technology - For Engineers, Designers, Architects, Planners, Creatives - Correct Perspective and Guaranteed Easy to Learn / TwentySix, 2017
- Eberhard Holder, Martin Peukert: Representation and Presentation – Designing Freehand and with Computer Tools – A Handbook / DVA, 2002
- Frank P. Jäger, et al.: Offensive Architecture - Presentation, Public Relations, and Marketing for Architects / Jovis, 2004
- Blogs, websites of architectural firms, architecture forums
- Current print and online media that reflect the state of the art

Max. number of participants
17
Status: WS 2025/2026

Module title: Special Topics in Structural Design				**Module no.: BAR WM 3**	
Module duration	Semester in which the module takes place	Frequency		Credit points (ECTS)	Weighting of the grade for the final grade
1 Semester	From the 3rd semester	☐ Every winter semester ☐ Every summer semester ☒ as needed		3 ECTS	Based on the subject-specific study regulations
Courses/teaching methods		Contact time	Self-study	Total workload for students	
Lecture, seminar, exercise		2 hours per week / 30 hours	60 hours	90 hours	

Competence goals (learning outcomes)

- Students are able to evaluate supporting structures for specific performance criteria, taking into account appropriate methods and the respective material properties.
- The mutual interactions between form, structural system, building materials, and structural design in the context of sustainable structural design can be identified and discussed.
- Students will be able to classify complex technical relationships and evaluate them with regard to their own design task.
- Students will have the ability to document and present the knowledge they have gained in a scientifically adequate and creatively appealing manner.

Contents

- Development of scientifically sound fundamentals for specific types of supporting structures, joining techniques, and building materials with regard to load-bearing capacity, sustainability, and architectural expression.
- Transfer of the theoretical knowledge acquired to specific applications
- Elaboration of the results in the form of, for example, project designs, execution details, preliminary dimensioning or dimensioning tables, or similar.
- Introduction to advanced methods of structural design.

Usability of the module

BA Architecture	☐ Compulsory	☒ Elective
BA Interior Design	☐ Compulsory	☒ Elective

Recommended degree program

Subject-specific architecture.
Also relevant for the interior design and civil engineering programs.

Recommended prerequisites for participation

BAR 2.1 Structural Design I,
BAR 2.2 Structural Design II,
BAR 3.1 Construction I, BAR 3.2 Construction II

Examination	Prerequisite for the award of ECTS

☐ Written ☐ Oral exam ☐ Internship /laboratory work ☐ Colloquium	☐ Project presentation ☒ Portfolio incl. presentation ☐ Seminar and term paper ☐ Practical examination	At least satisfactory Passed exam
Instructor		Module coordinator
Prof. Daniel Lauterkorn		Prof. Daniel Lauterkorn
Literature/learning aids		
▪ A topic-specific literature list will be provided with the assignment.		
Maximum number of participants		
17		
Status: WS 2025/2026		

Module title: Context Architecture and Landscape				**Module no.: BAR WM 4**	
Module duration	Semester in which the module takes place	Frequency		Credit points (ECTS)	Weighting of the grade for the final grade
1 Semester	From the 3rd semester	☐ Every winter semester ☐ Every summer semester ☒ as needed		3 ECTS	Based on the subject-specific study regulations
Courses/Teaching methods		Contact time	Self-study	Total workload for students	
Seminar		2 hours per week / 30 hours	60 hours	90 hours	

Competency goals (learning outcomes)

- Students are able to study selected examples of landscape architecture in various cultural, social, geographical, and architectural contexts through source research, description, analysis, and evaluation.
- They are able to deconstruct these project examples into their design-relevant components using graphic representations.
- Students learn about the space-creating potential of landscape architecture.
- They are prepared for communication and cooperation with landscape architects.

Contents

- The integration of outdoor spaces into the design of architecture and urban planning. Landscape architecture as an expanding potential for architectural and
  Urban design. Recognizing parallels in strategies and concepts, distinguishing between the means employed.
- The outdoor space as a conceptual component of architecture: generating and/or supporting concepts.
- Landscape architecture / architectural landscapes: interfaces between architecture and landscape architecture.
- Cooperation with international universities of landscape architecture.

Usability of the module		
BA Architecture	☐ Compulsory	☒ Elective

Recommended degree program

Subject-specific architecture.

Recommended prerequisites for participation

None

Examination		Prerequisite for the award of ECTS
☐ Written ☐ Oral exam ☐ Internship /laboratory work ☐ Colloquium	☐ Project presentation ☐ Portfolio ☒ Seminar and term paper ☐ Practical examination	Minimum grade of satisfactory
Instructor		Module coordinator
N.N.		N.N.

Literature/learning aids

▪ Diana Balmori, Joel Sanders: Groundwork - Between Landscape and Architecture / 2011 ▪ Almut Jirku. StadtGrün / Fraunhofer IRB, 2013 ▪ Hans Loidl; Stefan Bernard: Open Spaces – Designing as Landscape Architecture / Birkhäuser, 2014 ▪ Gabriele G. Kiefer; Anika Neubauer: Landscape for Architects / Birkhäuser, 2020 ▪ Trade journals: Topos, Anthos, G+L Garten + Landschaft
Max. number of participants
17
Status: WS 2025/2026

Module title: Cultural Competence				**Module no.: BAR WM 5**	
Module duration	Semester in which the module takes place	Frequency		Credit points (ECTS)	Weighting of the grade for the final grade
1 Semester	From the 3rd semester	☐ Every winter semester ☐ Every summer semester ☒ as needed		3 ECTS	Based on the subject-specific study and examination regulations
Courses/Teaching methods		Contact time	Self-study	Total workload for students	
Variable, determined on a case-by-case basis, usually project work		2 hours per week / 30 hours	60 hours	90 hours	

Competence goals (learning outcomes)

- Students learn about the points of contact between architecture and related disciplines, as well as the culturally determined differences in creative work.
- They engage in exchange with students and teachers from other disciplines in different cultural and linguistic areas.
- They are able to use this diversity as a special potential for their own work.
- They are able to relate their own discipline to other areas of culture and to make connections between them.

Contents

- International studies or internships / excursions abroad / international workshops / cross-country and cross-disciplinary activities and collaborations.
- Activities that make architecture tangible in the context of culture and cultural identity.
- Networking with foreign universities on international topics.

Usability of the module		
BA Architecture	☐ Compulsory	☒ Elective
BA Gemstones and Jewelry	☐ Compulsory	☒ Elective
BA Interior Design	☐ Compulsory subject	☒ Elective
BA Intermedia Design B7	☐ Compulsory subject	☒ Elective
BA Intermedia Design B7	☐ Compulsory subject	☒ Elective
BA Communication Design 7	☐ Compulsory subject	☒ Elective subject
BA Fashion Design	☐ Compulsory subject	☒ Elective

Recommended degree program

Relevant for all degree programs in the Department of Design.

Recommended prerequisites for participation

None

Examination	Prerequisite for the award of ECTS

☐ Written ☐ Oral exam ☐ Internship /laboratory work ☐ Colloquium	☐ Project presentation ☒ Portfolio ☐ Seminar and term paper ☐ Practical exam	At least satisfactory Passed exam
Instructor		Module coordinator
Variable, lecturers from the Design department		N.N.
Literature/learning aids		
▪ Astrid Erll, Marion Gymnich: Uni Wissen Interkulturelle Kompetenzen - Kernkompetenzen, Sicher im Studium / Klett, 2013 ▪ Dagmar Kumbier, Friedemann Schulz von Thum: Intercultural Communication - Methods, Models, Examples / Rohwolt, 2006 ▪ Hans-Jürgen Lüsebrink: Intercultural Communication – Interaction, Perception of Others, Cultural Transfer / Springer-Verlag, 2016		
Max. participants		
17		
Status: WS 2025/2026		

Module title: Special Areas of Building Design				**Module no.: BAR WM 6**	
Module duration	Semester in which the module takes place	Frequency		Credit points (ECTS)	Weighting of the grade for the final grade
1 Semester	From the 3rd semester	☐ Every winter semester ☐ Every summer semester ☒ as needed		3 ECTS	Based on the subject-specific study regulations
Courses/Teaching methods		Contact time	Self-study	Total workload for students	
Lecture, seminar, exercise		2 hours per week / 30 hours	60 hours	90 hours	

Competency goals (learning outcomes)

- Students understand and analyze buildings as systems of organizational, spatial, structural, technical, legal, and economic interrelationships.
- You will understand typological principles and commonalities and recognize buildings as building blocks and variants of larger—even global—categories.
- You will gain in-depth knowledge based on selected building examples from higher-level functional areas.
- You will learn methods of building analysis with regard to function, efficiency, and sustainability.
- Students will learn to document aspects of building theory and then present them to a group.

Contents

- Each semester and on a rotating basis, building examples and principles from the following areas are examined in depth and analytically with regard to organizational, structural, technical, and technical aspects typical of the period: buildings related to mobility, buildings for leisure, cultural buildings (museums and exhibition buildings, theaters, opera houses, libraries, and media centers), buildings for education, research, and teaching, high-rise buildings, and sacred buildings are dealt with in depth and analytically with regard to organizational, structural, technical, and spatial developments typical of the time.
- The main topics are typological aspects of buildings and their use, including in the context of sustainability and sufficiency.

Usability of the module		
BA Architecture	☐ Compulsory	☒ Elective

Recommended degree program

Subject-specific Architecture

Recommended prerequisites for participation

BAR 2.4 Building Theory I, BAR 2.5 Building Theory II.

Examination		Prerequisite for the award of ECTS
☐ Written ☐ Oral exam ☐ Internship /laboratory work ☐ Colloquium	☒ Project presentation ☐ Portfolio ☐ Seminar paper and term paper ☐ Practical examination	Minimum grade of satisfactory
Instructor		Module coordinator

Prof. Jan-Henrik Hafke, lecturers in the Architecture program	Prof. Jan-Henrik Hafke
Literature/learning aids	
▪ Bert Bielefeld: Planning Architecture – Dimensions, Spaces, Typologies / Birkhäuser, 2016 ▪ Thomas Jocher, et al.: Raumpilot, Fundamentals / Karl Krämer, 2012 ▪ Walter Stamm-Teske, et al.: Raumpilot, Living / Karl Krämer, 2012 ▪ Markus Gasser, et al.: Raumpilot, Working / Karl Krämer, 2012 ▪ Arno Lederer, et al.: Raumpilot, Learning / Karl Krämer, 2012 ▪ Ernst Neufert, et al.: Building Design Theory – 41st edition / Vieweg+Teubner, 2016 ▪ Friederike Schneider, Oliver Heckmann: Floor Plan Atlas of Residential Construction / Birkhäuser, 2011	
Max. number of participants	
17	
Status: WS 2025/2026	

<table>
<tr><td colspan="3">Module title: Drawing for Architects</td><td colspan="2">Module no.: BAR WM 7</td></tr>
<tr><td>Module duration</td><td>Semester in which the module takes place</td><td>Frequency</td><td>Credit points (ECTS)</td><td>Weighting of the grade for the final grade</td></tr>
<tr><td>1 Semester</td><td>From the 3rd semester</td><td>☐ Every winter semester
☐ Every summer semester
☒ as needed</td><td>3 ECTS</td><td>Based on the subject-specific study regulations</td></tr>
<tr><td colspan="2">Courses/teaching methods</td><td>Contact time</td><td>Self-study</td><td colspan="2">Total workload for students</td></tr>
<tr><td colspan="2">Seminar, exercise, excursion</td><td>2 hours per week / 30 hours</td><td>60 hours</td><td colspan="2">90 hours</td></tr>
<tr><td colspan="5">Competency goals (learning outcomes)</td></tr>
<tr><td colspan="5">▪ Ability to represent a spatial idea through a spatial hand sketch, to be able to review it, and to communicate it to others.
▪ Ability to continuously review and develop one's own design work using spatial sketches.
▪ Ability to create freehand, manual axonometric and perspective drawings in orthogonal systems.
▪ Ability to create compositions of objects in space freehand.
▪ Ability to develop a personal and comprehensible visual language for the qualified evaluation of three-dimensional objects.</td></tr>
<tr><td colspan="5">Contents</td></tr>
<tr><td colspan="5">▪ Topics: Basic geometric shapes and spaces, addition/subtraction/rotation, proportion grids, perspective representations, simple shadow constructions.
▪ Foreground/background – positive/negative.
▪ Depiction of fictional, imaginary architectural objects.
▪ Depiction of realistic architecture, rooms, and spaces.
▪ Drawings for implementation in model-making workshops.
▪ Representation in black and white and color.</td></tr>
<tr><td colspan="5">Usability of the module</td></tr>
<tr><td colspan="2">BA Architecture</td><td>☐ Compulsory</td><td colspan="2">☒ Elective</td></tr>
<tr><td colspan="5">Recommended degree program</td></tr>
<tr><td colspan="5">Subject-specific architecture</td></tr>
<tr><td colspan="5">Recommended prerequisites for participation</td></tr>
<tr><td colspan="5">BAR 4.1 Architectural Designation, History of Architecture and Art I</td></tr>
<tr><td colspan="3">Examination</td><td colspan="2">Prerequisite for the award of ECTS</td></tr>
<tr><td>☐ Written
☐ Oral exam
☐ Internship /laboratory work
☐ Colloquium</td><td colspan="2">☐ Project presentation
☒ Portfolio incl. Presentation
☐ Seminar paper and term paper
☐ Practical exam</td><td colspan="2">Minimum grade of satisfactory Examination performance</td></tr>
<tr><td colspan="3">Instructor</td><td colspan="2">Module coordinator</td></tr>
</table>

Prof. Andrea Wandel, lecturer in the Architecture program	Prof. Andrea Wandel

Literature/learning aids

- Hector McDonnel: *Drawings and Etchings /* B. Krimmel, Darmstadt, 1981
- Winfried Nerdinger: *Architectural Drawing – From Baroque Ideal Plans to Axonometry* – 3rd edition / Prestel, Frankfurt/M, 1987.
- Anna Becker, Ingeborg Flagge: *Aldo Rossi – The Search for Happiness/Early Drawings and Designs /* Prestel, Frankfurt/M, 2003
- Florian Afflerbach: Basics of Freehand Drawing / Birkhäuser Verlag, Basel, 2014
- Sarah Vowles: *Piranesi Drawings* / ThamesHudson Verlag, 2020
- Hans Döllgast 1891–1974 Photographs and Texts by Franz Wimmer / 2024

Maximum number of participants

17

Status: WS 2025/2026

Module title: Design Strategies				**Module no.: BAR WM 8**	
Module duration	Semester in which the module takes place	Frequency of offering		Credit points (ECTS)	Weighting of the grade for the final grade
1 Semester	From the 3rd semester	☐ Every winter semester ☐ Every summer semester ☒ as needed		3 ECTS	Based on the subject-specific study regulations
Courses/Teaching methods		Contact time	Self-study	Total workload for students	
Workshop, seminar, exercise		2 hours per week / 30 hours	60 hours	90 hours	

Competence goals (learning outcomes)

- Students will have the ability to design and manage the design process, including basic knowledge of networked working methods and the interlocking of different methodologies.
- Through independent research, you can develop creative goals, develop a personal visual language, and present the content you have developed.

Contents

- By searching for the appropriate design strategy for the design task and design presentation, methodological tools for reducing design complexity are learned.
- Classic design strategies and design conventions are questioned, while at the same time developing different personal "signatures" and spatial discoveries.
- Material experiments and a focus on sub-areas and guiding ideas take place under topics such as "design strategies as a plastic medium" and "between functionalism doctrine and the principle of chance."
- There is an intensive exchange of ideas and skills among students, and interdisciplinary approaches are required.

Usability of the module		
BA Architecture	☐ Compulsory	☒ Elective

Recommended degree program

Design strategies are relevant for all degree programs in the Department of Design.

Recommended prerequisites for participation

None

Examination		Prerequisite for the award of ECTS
☐ Written ☐ Oral exam ☐ Internship /laboratory work ☐ Colloquium	☐ Project presentation ☒ Portfolio incl. presentation ☐ Seminar and term paper ☐ Practical examination	Minimum grade of satisfactory
Instructor		Module coordinator
Prof. Andrea Wandel		Prof. Andrea Wandel

Literature/learning aids
▪ Jörg Joppien: *Design Theory – A Search / Teaching Design /* Wasmuth, 2008 ▪ Andrea Gleiniger: *Complexity: Design Strategy and Worldview /* Birkhäuser, Basel, 2008 ▪ Bert; El Khouli, Sebastian: *Design Idea*. Birkhäuser, 2010. ▪ Jože Plečnik: I'm Only the Housekeeper, but I Don't Know… / 2022 ▪ Andrea Deplazes: 77 Questions on Architectural Space / Hochparterre ETH, 2025 ▪ Expanding the Inventory / Hochparterre Wüestpartner 2025 ▪ A topic-specific reading list will be provided with the assignment.
Max. number of participants
17
Status: WS 2025/2026

Module title: Special topics in a historical context				**Module no.: BAR WM 9**	
Module duration	Semester in which the module takes place	Frequency of offering		Credit points (ECTS)	Weighting of the grade for the final grade
1 Semester	From the 3rd semester	☐ Every winter semester ☐ Every summer semester ☒ as needed		3 ECTS	Based on the subject-specific study regulations
Courses/teaching methods		Contact time	Self-study	Total workload for students	
Seminar, exercise		2 hours per week / 30 hours	60 hours	90 hours	

Competence goals (learning outcomes)
▪ Students are able to understand and evaluate the historical context of a simple urban development situation and to design an architecturally appropriate building project in the form of an extension, addition, or restructuring.
Contents
▪ Theme-based "research" project work. ▪ Project proposal for the project idea, design, construction, and communication of a spatial object, implementation, and documentation in dialogue between existing and new buildings.
Usability of the module

BA Architecture	☐ Compulsory	☒ Elective
Recommended degree program		
Subject-specific architecture		
Recommended prerequisites for participation		
None		

Examination formats		Prerequisite for the award of ECTS
☐ Written ☐ Oral exam ☐ Internship /laboratory work ☐ Colloquium	☐ Project presentation ☐ Portfolio ☒ Seminar paper and term paper ☐ Practical examination	Minimum grade of satisfactory
Instructor		Module coordinator
Prof. Oskar Spital-Frenking		Prof. Oskar Spital-Frenking
Literature/learning aids		

- Leonardo Benevolo: The History of the City / Campus Verlag, 2007
- Vittorio Magnago Lampugnani: The City in the 20th Century – Visions, Designs, Buildings (2 volumes) / Klaus Wagenbach Publishers, 2010
- Tomas Valena: City and Topography / Ernst & Sohn, 1990
- Wolfram Hoepfner, et al.: History of Housing / DVA, 1999
- Michael Peterek: Apartment, Housing Estate, City – Paradigms of Modernism 1910–1950 / Gebr. Mann Verlag, 2000
- Helmut Bott, et al.: Sustainable Urban Planning / Edition Detail, 2013
- Peter Ebner, et al.: Typology + / Birkhäuser, 2009
- Leonhard Schenk: Designing Cities / Birkhäuser, 2013
- Inga Mueller-Haagen, et al.: The DNA of the City – An Atlas of Urban Structures in Germany / Schmidt Hermann Verlag, 2014
- Ulrike Wietzorrek: Living+ On Thresholds, Transitional Spaces, and Transparencies / Birkhäuser, 2014
- A topic-specific reading list will be provided with the assignment.

Max. number of participants
17
Status: WS 2025/2026

Module title: Special Topics in Technology				**Module no.: BAR WM 10**	
Module duration	Semester in which the module takes place	Frequency		Credit points (ECTS)	Weighting of the grade for the final grade
1 Semester	From the 3rd semester	☐ Every winter semester ☐ Every summer semester ☒ as needed		3 ECTS	Based on the subject-specific study regulations
Courses/Teaching methods		Contact time	Self-study	Total workload of the student	
Seminar, exercise		2 hours per week / 30 hours	60 hours	90 hours	

Competence goals (learning outcomes)

- Students develop and learn the content and methods of a selected, specific topic in technology in an architectural context and practice integrating them into architecture.

Content

- Depending on the task at hand, different topics related to technology in architecture and building design are covered:
  - Knowledge transfer from other disciplines to architecture,
  - Bionics – learning from nature and transferring and implementing these findings in construction,
  - Building construction,
  - joining materials and elements,
  - Designing, developing, and optimizing supporting structures,
  - Integration of architectural concept and technology,
  - Temporary, adaptive, interactive, and transformable architecture,
  - industrial construction,
  - Consideration of aspects such as manufacturing and assembly in architectural design.

Usability of the module

BA Architecture	☐ Compulsory	☒ Elective
BA Interior Design	☐ Compulsory	☒ Elective
BA Intermedia Design B7	☐ Compulsory subject	☒ Elective
BA Intermedia Design B7	☐ Compulsory subject	☒ Elective

Recommended major

Subject-specific architecture.
Relevant for degree programs in the fields of design and civil engineering.

Recommended prerequisites for participation

BAR 2.1 Structural Design I, BAR 2.2 Structural Design II,
BAR 3.1 Construction I, BAR 3.2 Construction II, BAR 2.3 Digital Forms of Representation

Examination	Requirements for awarding ECTS credits

☐ Written exam ☐ Oral examination ☐ Internship /laboratory work ☐ Colloquium	☐ Project presentation ☒ Portfolio incl. Presentation ☐ Seminar paper and term paper ☐ Practical examination	Minimum grade of satisfactory
Instructor		Module coordinator
Variable, instructors of the architecture program		N.N.

Literature/learning aids

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

Maximum number of participants
17
Status: WS 2025/2026

Module title: Designing in timber construction				**Module no.: BAR WM 11**	
Module duration	Semester in which the module takes place	Frequency		Credit points (ECTS)	Weighting of the grade for the final grade
1 Semester	From the 3rd semester	☐ Every winter semester ☐ Every summer semester ☒ as needed		3 ECTS	Based on the subject-specific study regulations
Courses/teaching methods		Contact time	Self-study	Total workload for students	
Seminar, exercise		2 hours per week / 30 hours	60 hours	90 hours	

Competence goals (learning outcomes)

Students deepen their knowledge from BAR 3.3 Design III Wood construction methods in building designs of medium difficulty or in experimental wood construction methods.

- You will be able to implement timber construction methods and mixed timber construction methods in your own designs, taking into account design and engineering aspects.
- You have an advanced understanding of timber construction and mixed timber construction, as well as building physics and structural engineering (e.g., interpretation of the Glaser diagram, design principles of DIN EN 1995-1-1).
- You develop details and can apply them to medium-sized and larger timber structures (up to five-story buildings, hall structures with bracing principles, renovation measures), taking into account design and material-specific features.
- You will have learned to analyze different timber construction methods and present them visually to a group.

Contents

Students are taught the following course content:

- In-depth content on material-specific properties such as strength classes, swelling and shrinkage behavior with calculation approaches.
- Building physics expertise with the development of heat, sound, and moisture-specific criteria.
- Development of fault-tolerant component cross-sections and construction methods, partly using the building physics program U-WERT RECHNER.
- In-depth examination of contemporary construction methods (frame construction, solid wood construction, and HBV construction methods), including on your own designs.
- In-depth knowledge of wood-based materials, modified wood, and fiber insulation materials in terms of their application.
- In-depth study of traditional timber construction methods (roofs, half-timbered structures, post-and-beam and log construction) and traditional timber joints.
- Teaching of design principles for multi-axis support systems, spatial structures, grids, and shells in wood.
- Familiarization with design approaches in timber engineering using approximate verifications in accordance with DIN EN 1995-1, EC 5.
- Expanded basic knowledge of fire protection in timber construction using simplified verification in accordance with EN 13501 and DIN 4102.

Usability of the module

BA Architecture ☐ Compulsory subject ☒ Elective subject

BA Interior Design ☐ Compulsory subject ☒ Elective subject

Recommended degree program

Recommended prerequisites for participation		
BAR 2.1 Structural Design I and BAR 3.3 Construction III, alternatively: journeyman's certificate in carpentry or joinery.		
Examination formats		Prerequisite for the award of ECTS
☐ Written ☐ Oral exam ☐ Internship /laboratory work ☐ Colloquium	☐ Project presentation ☒ Portfolio incl. Presentation ☐ Seminar paper and term paper ☐ Practical examination	Minimum grade of satisfactory
Instructor		Module coordinator
N.N.		N.N.
Literature/learning aids		
▪ H. Kaufmann, S. Krötsch; S. Winter: Atlas of Multi-Story Timber Construction / 2017 ▪ J. Kolb: Systematic Timber Construction ▪ H. Neuhaus: Engineering Wood Construction ▪ The Carpenter's Book - Reprint of the 1895 edition / 2008 ▪ Current trade journals: Bauen mit Holz (Building with Wood); Mikado; Zuschnitt (Cutting); PuuWoodHolzBois; Detail, https://www.woodproducts.fi		
Maximum number of participants		
17		
Status: WS 2025/2026		

Module title: Building Information Modeling				**Module no.: BAR WM 12**	
Module duration	Semester in which the module takes place	Frequency		Credit points (ECTS)	Weighting of the grade for the final grade
1 Semester	From the 3rd semester	☐ Every winter semester ☐ Every summer semester ☒ as needed		3 ECTS	Based on the subject-specific study regulations
Courses/teaching methods		Contact time	Self-study	Total workload for students	
Lecture, seminar, exercise		2 hours per week / 30 hours	60 hours	90 hours	

Competency goals (learning outcomes)

- Simple planning tasks are used to teach students not only technical knowledge, but also how to structure teamwork and presentation techniques.
- Team-oriented planning with students from other disciplines, e.g., in cooperation with the civil engineering department.

Contents

- Teaching of specialist knowledge in Building Information Modeling (BIM) using Rhino D3, Autodesk Revit, ArchiCad, or similar software.
- In the future, traditional construction drawings will increasingly be replaced by highly integrated digital building models. These models go far beyond purely graphic representations of buildings in terms of information density
  far beyond purely graphic representations of buildings and integrate data from specialist planners and other planning participants at an early stage.

Usability of the module

BA Architecture	☐ Compulsory subject	☒ Elective

Recommended degree program

Subject-specific Architecture/Civil Engineering

Recommended requirements for participation

None

Examination formats		Prerequisite for the awarding of ECTS
☐ Written ☐ Oral exam ☐ Internship /laboratory work ☐ Colloquium	☐ Project presentation ☒ Portfolio incl. Presentation ☐ Seminar paper and term paper ☐ Practical exam	Minimum grade of satisfactory

Instructor	Module coordinator
Prof. Thum	Prof. Thum

Literature/learning aids

- Ray Crotty: The Impact of Building Information Modeling - Transforming Construction / Routledge, 2011
- Chuck Eastman: BIM Handbook - A Guide to Building Information Modeling for Owners, Managers, Designers, Engineers and Contractors / John Wiley & Sons, 2011

▪ Stephen Kieran, James Timberlake: Refabricating Architecture: How Manufacturing Methodologies are Poised to Transform Building Construction / McGraw-Hill Professional, 2003
Maximum number of participants
17
Status: WS 2025/2026

Module title: Campus Credits				**Module no.: BAR WM 13**	
Module duration	Semester in which the module takes place	Frequency		Credit points (ECTS)	Weighting of the grade for the final grade
1 Semester	From the 3rd semester	☐ Every winter semester ☐ Every summer semester ☒ as needed		3 ECTS	Based on the subject-specific study regulations
Courses/teaching methods		Contact time	Self-study	Total workload for students	
Seminar, exercise		2 hours per week / 30 hours	60 hours	90 hours	

Competency goals (learning outcomes)

- Ability to plan, organize, implement, and document various cultural activities within the Department of Design and the participating degree programs.
- Development of a sense of responsibility for the university.
- Ability to plan programs and events.

Contents

- Activities that promote both subject-specific and interdisciplinary skills, such as: Organization of lecture series/conferences/film events on cross-disciplinary and subject-specific topics.
- Conception and realization of exhibitions or exhibition series.
- Documentation of activities related to degree programs and student research projects.
- Maintenance of the alumni network.

Usability of the module		
BA Architecture	☐ Compulsory	☒ Elective

Recommended degree program

Subject-specific Architecture

Recommended prerequisites for participation

None

Examination formats		Requirements for awarding ECTS credits
☐ Written exam ☐ Oral examination ☐ Internship /laboratory work ☐ Colloquium	☐ Project presentation ☒ Portfolio incl. Presentation ☐ Seminar paper and term paper ☐ Practical examination	Minimum grade of satisfactory for the examination. Campus credits for assessed activities must be recognized by the examination board for the architecture program. The board will decide on applications.

Instructor	Module coordinator
Variable, lecturers from the Architecture program	N.N.

Literature/learning aids

▪ David Dernie: Exhibition Design – Concepts and Techniques / avEdition, 2006 ▪ Pam Locker: Exhibition Design - Concept - Planning - Implementation / Stiebner Verlag, 2011 ▪ Aurelia Bertron, Ulrich Schwarz, Claudia Frey: Designing Exhibitions - A Compendium for Architects, Designers, and Museum Professionals + Designing Exhibitions - A Compendium for Architects, Designers, and Museum Professionals - 2nd edition / Birkhäuser, 2012
Maximum number of participants
17
Status: WS 2025/2026

<table>
<tr><td colspan="3">Module title: Special Topics in Architecture</td><td colspan="2">Module no.: BAR WM 14</td></tr>
<tr><td>Module duration</td><td>Semester in which the module takes place</td><td>Frequency</td><td>Credit points (ECTS)</td><td>Weighting of the grade for the final grade</td></tr>
<tr><td>1 Semester</td><td>From the 3rd semester</td><td>☐ Every winter semester
☐ Every summer semester
☒ as needed</td><td>3 ECTS</td><td>Based on the subject-specific study regulations</td></tr>
<tr><td colspan="2">Courses/Teaching methods</td><td>Contact time</td><td>Self-study</td><td>Total workload for students</td></tr>
<tr><td colspan="2">Seminar, exercise</td><td>2 hours per week / 30 hours</td><td>60 hours</td><td>90 hours</td></tr>
<tr><td colspan="5">Competence goals (learning outcomes)</td></tr>
<tr><td colspan="5">▪ Students develop and learn the content and methods of a selected, specific topic in an architectural context.
▪ Students will have the ability to analyze topics related to architecture and building design and present them to a group.</td></tr>
<tr><td colspan="5">Content</td></tr>
<tr><td colspan="5">▪ Depending on the task, different topics in architecture and building design are covered.</td></tr>
<tr><td colspan="5">Usability of the module</td></tr>
<tr><td colspan="2">BA Architecture</td><td>☐ Compulsory</td><td colspan="2">☒ Elective</td></tr>
<tr><td colspan="5">Recommended degree program</td></tr>
<tr><td colspan="5">Subject-specific architecture</td></tr>
<tr><td colspan="5">Recommended prerequisites for participation</td></tr>
<tr><td colspan="5">None</td></tr>
<tr><td colspan="3">Examination formats</td><td colspan="2">Prerequisite for the award of ECTS</td></tr>
<tr><td colspan="2">☒ Written exam
☐ Oral exam
☐ Internship /laboratory work
☐ Colloquium</td><td>☐ Project presentation
☒ Portfolio incl. presentation
☐ Seminar and term paper
☐ Practical exam</td><td colspan="2">At least a passing grade on the exam.</td></tr>
<tr><td colspan="3">Instructor</td><td colspan="2">Module coordinator</td></tr>
<tr><td colspan="3">Variable, instructors of the architecture program</td><td colspan="2">Program director</td></tr>
<tr><td colspan="5">Literature/learning aids</td></tr>
</table>

- Christopher Alexander: A Pattern Language - Towns, Buildings, Construction / First, 1978
- Marius Babias: From the City of Parts to the City of Participation / Berliner Projekte, 2013
- Andrea Baier, Tom Hansing, Christa Müller, Karin Werner: Repairing the World / transcript Verlag, 2016
- Annette Becker, Laura Kienbaum, Kristien Ring, Peter Cachola Schmal: Bauen Und Wohnen in Gemeinschaft - Building and Living in Communities / Birkhäuser, 2015
- Clemens Bellut, Denise Scott Brown, Johann Feichter, Andrea Gleiniger, Klaus Mainzer, Kostas Terzidis, Robert Venturi, Georg Vrachliotis: Complexity - Design Strategy and Worldview (Context Architecture) - Edited by Andrea Gleiniger and Georg Vrachliotis
  / Birkhäuser, 2008
- Angelika Fitz, Elke Krasny Krasny, Architekturzentrum Wien: Critical Care / MIT Press, 2019
- A. Gleiniger, Georg Vrachliotis: Patterns: Ornament, Structure, and Behavior / 2009
- A topic-specific reading list will be provided with the assignment.

Max. participants
17
Status: WS 2025/2026

Module title: Documentation, Reflection				**Module no.: BAR WM 15**	
Module duration	Semester in which the module takes place	Frequency of the course		Credit points (ECTS)	Weighting of the grade for the final grade
1 Semester	From the 3rd semester	☐ Every winter semester ☐ Every summer semester ☒ as needed		3 ECTS	Based on the subject-specific study regulations
Courses/teaching methods		Contact time	Self-study	Total workload for students	
Project, supervision		2 hours per week / 30 hours	60 hours	90 hours	

Competence goals (learning outcomes)

- Students can design and develop meaningful structural alternatives for the design project and select a structural system that is consistent with the concept.
- A suitable building material for the load-bearing components can be selected based on the function and concept of the project.
- Students can explain the vertical load transfer (dead loads, live loads, and imposed loads) and horizontal load transfer (wind, earthquakes) of their chosen structure and name the components intended for this purpose (columns, wall panels, bracing, etc.).
- Students can measure the slenderness of the supporting structure using rough rules of thumb.
- Students attempt to harmonize the three virtues of architecture: utility, strength, and beauty, bringing together architectural concept, organizational chart, and supporting system into a holistic unit—architecture—in a process of development and consideration.
- Students have learned how to present a design project visually and verbally to a group.

Contents

- Constructive and structural engineering support and advice is offered as part of design projects and final theses.
- The starting point is always the task and theme of the design project as well as the architectural intention of the student.
- Based on this, different alternatives for structural systems are designed and examined for their potential for the task or concept.
  Can these structures fulfill the load-bearing task? Can they even inspire the design process?
- The most suitable structural systems and appropriate building materials are selected for the intended use, load transfer, and architectural effect.
- Designing structural elements for vertical load transfer to absorb dead loads, live loads, and imposed loads (columns, walls, etc.).
- Designing structural elements for horizontal load transfer to absorb wind and earthquake forces (bracing, etc.).
- Integration of concept, use, and construction, form, function, and force into a holistic architecture.

Usability of the module

BA Architecture	☐ Compulsory	☒ Elective

Recommended degree program

Relevant for all degree programs in the Department of Design

Recommended prerequisites for participation

None		
Examination		Prerequisite for the award of ECTS
☐ Written ☐ Oral exam ☐ Internship /laboratory work ☐ Colloquium	☐ Project presentation ☒ Portfolio incl. presentation ☐ Seminar and term paper ☐ Practical examination	Minimum grade of satisfactory for the examination.
Instructor		Module coordinator
N.N.		N.N.

Literature/learning aids

- Stefan Polónyi, Wolfgang Walochnik: *Architecture and Structural Design /* Ernst & Sohn, 2003
- *Stefan Polónyi or How to Bring Architecture to Life: Essays and Speeches from 50 (Professional) Years*, Academy of Arts Berlin / Klartext Verlag, 2016
- Heino Engel: *Structural Systems /* Hatje Cantz, 2006
- Waclaw Zalewski, Edward Allen: *Shaping Structures - Statics* - Drawings by Joseph Iano / John Wiley & Sons, 1998.
- Edward Allen, Waclaw Zalewski: *Form and Forces - Designing Efficient, Expressive Structures /* John Wiley & Sons, 2010
- Pete Silver, Will McLean: *Introduction to Architectural Technology - Structure & Form, Structural Physics, Structural Elements, Structural Logic, Climate & Shelter, Human Comfort, Building Performance, Computational Tools & Techniques, Case Studies, Building Codes /* Laurence King Publishing, 2008
- Pete Silver, Will McLean, Peter Evans: *Structural Engineering for Architects - A Handbook /* Laurence King Publishing, 2013
- Ralph Hammann: *Creative Engineering, Architecture, and Technology /* DOM publishers, 2013
- Nina Rappaport: *Support and Resist - Structural Engineers and Design Innovation /* The Monacelli Press, 2007
- Kurt Ackermann: *Structural Systems in Constructive Architecture* - Scientific collaboration: Gustl Lachenmann, Eduard Schmitz, Karl Spies / DVA, 1988.
- Farshid Moussavi: *The Function of Form /* Harvard University Graduate School of Design, 2009
- Philippe Block, Christoph Gengnagel, Stefan Peters: *Rule of thumb for structural design* - expanded and updated edition / DVA, 2015
- Rudolf Rybicki, Frank Prietz: *Rules of thumb and approximate values for structures in building construction, multi-story construction - structures - halls* - 5th edition / Werner Verlag, 2011
- Edward Allen, Joseph Iano: *The Architect's Studio Companion - Rules of Thumb for Preliminary Design* - 4th Edition / John Wiley & Sons, 2007
- Thomas Herzog, Julius Natterer, Roland Schweitzer, Michael Volz, Wolfgang Winter: *Holzbau Atlas (Wood Construction Atlas)* – 2nd edition / Edition Detail, Birkhäuser, 2003
- Helmut Schulitz, Werner Sobek, Karl-J. Habermann: *Steel Construction Atlas* - 1st edition / Edition Detail, Birkhäuser, 2001
- Friedbert Kind-Barkauskas, Bruno Kauhsen, Stefan Polónyi, Jörg Brandt: *Concrete Construction Atlas - Designing with Reinforced Concrete in Building Construction /* Edition Detail, Birkhäuser, 2001
- Christian Schittich, Gerald Staib, Dieter Balkow, Matthias Schuler, Werner Sobek: *Glass Construction Atlas* - 1st edition / Edition Detail, Birkhäuser, 1998
- Andrea Deplazes: *Designing Architecture - From Raw Material to Building /* Birkhäuser, 2005
- Klaus Dierks, Klaus-Jürgen Schneider, Rüdiger Wormuth: *Building Construction* - 4th edition / Werner Verlag, 1997

Maximum number of participants
17

Status: WS 2025/2026

<table>
<tr><td colspan="3">Module title: Design in Detail</td><td colspan="3">Module no.: BAR WM 16</td></tr>
<tr><td>Module duration</td><td>Semester in which the module takes place</td><td>Frequency</td><td>Credit points (ECTS)</td><td>Weighting of the grade for the final grade</td></tr>
<tr><td>1 Semester</td><td>From the 3rd semester</td><td>☐ Every winter semester
☐ Every summer semester
☒ as needed</td><td>3 ECTS</td><td>Based on the subject-specific study regulations</td></tr>
<tr><td colspan="2">Courses/teaching methods</td><td>Contact time</td><td>Self-study</td><td colspan="2">Total workload for students</td></tr>
<tr><td colspan="2">Exercise, project</td><td>2 hours per week / 30 hours</td><td>60 hours</td><td colspan="2">90 hours</td></tr>
<tr><td colspan="6">Competence goals (learning outcomes)</td></tr>
<tr><td colspan="6">▪ Students have a general understanding of the design options available in detailed planning, including the choice of materials, their processing, and the possibilities for surface treatment.
▪ They recognize the consequences that arise from the limitations of technical possibilities.
▪ They develop a sense that, even at the design planning stage, a design idea depends on its feasibility in detail and that, conversely, the detail can inspire the entire design.
▪ Students have the ability to present a detailed object they have designed themselves in detail to a group.</td></tr>
<tr><td colspan="6">Contents</td></tr>
<tr><td colspan="6">▪ Design of a simple structure, facade, or similar using a solid building material, brick, or concrete.
▪ Examination of individual details that are crucial in terms of design and construction.
▪ Presentation of the design, including details, in the form of a rendering.
▪ Possible construction of a detail or a sample on a scale of 1:1 using the original materials.</td></tr>
<tr><td colspan="6">Usability of the module</td></tr>
<tr><td colspan="2">BA Architecture</td><td>☐ Compulsory</td><td colspan="3">☒ Elective</td></tr>
<tr><td colspan="6">Recommended degree program</td></tr>
<tr><td colspan="6">Subject-specific architecture</td></tr>
<tr><td colspan="6">Recommended prerequisites for participation</td></tr>
<tr><td colspan="6">None</td></tr>
<tr><td colspan="4">Examination formats</td><td colspan="2">Prerequisite for the award of ECTS</td></tr>
<tr><td colspan="2">☐ Written
☐ Oral exam
☐ Internship /laboratory work
☐ Colloquium</td><td colspan="2">☐ Project presentation
☒ Portfolio incl. presentation
☐ Seminar and term paper
☐ Practical examination</td><td colspan="2">Minimum grade of satisfactory for the examination.</td></tr>
<tr><td colspan="4">Instructor</td><td colspan="2">Module coordinator</td></tr>
<tr><td colspan="4">Prof. Peter Böhm</td><td colspan="2">Prof. Peter Böhm</td></tr>
</table>

Literature/learning aids
▪ Kind-Barkauskas, Friedbert; Kauhsen, Bruno; Polónyi, Stefan; Brandt, Jörg: *Concrete Construction Atlas: Designing with Reinforced Concrete in Building Construction /* Edition Detail, Birkhäuser, 2001 ▪ Martin Peck: *Atlas of Modern Concrete Construction - Design, Materials, Sustainability /* Edition Detail, 2013 ▪ Günter Pfeifer, Rolf Ramcke, Joachim Achtziger, Konrad Zilch: *Masonry Atlas* – 6th edition / Edition Detail, Birkhäuser, 2001 ▪ Peter Beinhauer: *Standard Detail Collection - New Construction* - 4th edition / Rudolf Müller, 2013 ▪ Peter Beinhauer: *Standard Detail Collection - Building in Existing Structures* - 2nd edition / Rudolf Müller, 2017
Max. number of participants
25
Status: WS 2025/2026

Module title: Workshop and symposia				**Module no.: BAR WM 17**	
Module duration	Semester in which the module takes place	Frequency		Credit points (ECTS)	Weighting of the grade for the final grade
1 Semester	From the 3rd semester	☐ Every winter semester ☐ Every summer semester ☒ as needed		3 ECTS	Based on the subject-specific study regulations
Courses/ Teaching methods		Contact time	Self-study	Total workload of the student	
Seminar, exercise		2 hours per week / 30 hours	60 hours	90 hours	

Competency goals (learning outcomes)

- Workshops and symposia are important building blocks for analyzing a defined topic in a short period of time and developing it to the point where it is ready for presentation.
- Contacts with other universities and teaching methods prepare students for a cross-disciplinary and international working environment.

Contents

- The course content of this module is based on the topics covered in the workshops or symposia.

Usability of the module

BA Architecture	☐ Compulsory	☒ Elective
BA Gemstones and Jewelry	☐ Compulsory	☒ Elective
BA Interior Design	☐ Compulsory subject	☒ Elective
BA Intermedia Design B7	☐ Compulsory subject	☒ Elective subject
BA Intermedia Design B7	☐ Compulsory subject	☒ Elective
BA Communication Design 7	☐ Compulsory subject	☒ Elective
BA Fashion Design	☐ Compulsory subject	☒ Elective

Recommended degree program

Relevant for all degree programs in the Department of Design.

Recommended prerequisites for participation

None

Examination formats		Prerequisite for the award of ECTS
☐ Written ☐ Oral exam ☐ Internship /laboratory work ☐ Colloquium	☒ Project presentation ☐ Portfolio ☐ Seminar and term paper ☐ Practical examination	Minimum grade of satisfactory.

Instructor	Module coordinator
Variable, instructors of the architecture program	Program director

Literature/learning aids

▪ IASS International Association for Shell and Spatial Structures – annual international symposia for engineers, architects, construction companies, and anyone else interested in lightweight If you are interested in load-bearing structures such as space frames, cable structures, membranes, and shell structures, visit www.iass-structures.org ▪ FABRICATE – this is the name of a series of international conferences held every three years that explore the future of architecture, engineering, and construction using modern methods, with a special focus on design, www.fabricate.org
Max. number of participants
17
Status: WS 2025/2026

Module title: Student competitions				**Module no.: BAR WM 18**	
Module duration	Semester in which the module takes place	Frequency		Credit points (ECTS)	Weighting of the grade for the final grade
1 Semester	From the 3rd semester	☐ Every winter semester ☐ Every summer semester ☒ as needed		3 ECTS	Based on the subject-specific study regulations
Courses/ Teaching methods		Contact time	Self-study	Total workload for students	
Seminar, exercise		2 hours per week / 30 hours	60 hours	90 hours	

Competence goals (learning outcomes)

- National and international student competitions serve to compare design ideas with other students and universities. They are an important tool for raising the profile of students and the university.
- Competition strategies and modes of expression are developed that provide the best possible preparation for a career as an architect with a focus on design.

Contents

- Students learn to research competitions on their own initiative, evaluate their content, and apply for them.
- They learn to read and understand the competition documents.
- Strategies are taught and demonstrated for how to successfully complete competitions. From design development to elaboration and presentation to time management.
- In addition to graphic representation methods, practices and techniques for visualization and model building are also taught.

Usability of the module

BA Architecture	☐ Compulsory	☒ Elective
BA Gemstones and Jewelry	☐ Compulsory	☒ Elective
BA Interior Design	☐ Compulsory subject	☒ Elective
BA Intermedia Design B7	☐ Compulsory subject	☒ Elective
BA Intermedia Design B7	☐ Compulsory subject	☒ Elective
BA Communication Design 7	☐ Compulsory subject	☒ Elective
BA Fashion Design	☐ Compulsory subject	☒ Elective

Recommended degree program

Relevant for all degree programs in the Department of Design.

Recommended prerequisites for participation

None

Examination formats — Prerequisite for the award of ECTS

☐ Written ☐ Oral exam ☐ Internship /laboratory work ☐ Colloquium	☒ Project presentation ☐ Portfolio ☐ Seminar paper and term paper ☐ practical examination	Pass mark of at least satisfactory.
Instructor		Module coordinator
Variable, instructors of the architecture program		Program director
Literature/learning aids		
▪ Guidelines for Planning Competitions RPW 2013, BMVBS ▪ AW Architektur + Wettbewerbe – International trade journal with a focus on building typology (current buildings, projects, and architecture competitions) www.kraemerverlag.com/publikationen/aw-architektur-wettbewerbe/ ▪ www.baunetz.de – Online network with comprehensive information and documentation on competitions ▪ wettbewerbe aktuell – Monthly trade journal on the subject of architecture competitions, focusing on Germany and internationally significant competitions, www.wettbwerbe-aktuell.de ▪ www.CompetitionOnline.com – Platform for architecture and engineering competitions, online database for tenders, competition results, and completed projects		
Max. participants		
17		
Status: WS 2025/2026		

Module title: Artistic Design I				**Module no.: BAR WM 19**	
Module duration	Semester in which the module takes place	Frequency		Credit points (ECTS)	Weighting of the grade for the final grade
1 Semester	From the 3rd semester	☐ Every winter semester ☐ Every summer semester ☒ as needed		3 ECTS	Based on the subject-specific study regulations
Courses/ Teaching methods		Contact time	Self-study	Total workload for students	
Seminar, exercise		2 hours per week / 30 hours	60 hours	90 hours	

Competency goals (learning outcomes)

- Students will gain an overview of the possibilities of wood for sculptural production in a historical and contemporary context and will learn about the basic material properties of wood.
- They have knowledge of basic sculptural concepts and form analysis.
- They apply various artistic woodworking techniques in a targeted manner and are able to combine traditional craftsmanship with contemporary themes.
- You have learned to visually present the artistic techniques you have used in a sculpture to a group.

Contents

- Systematic analysis and description of sculptural works.
- Promotion of spatial imagination and clarification of the relationship between form and content.
- Independent, creative implementation of a contemporary theme.
- Adequate handling of fragile materials using various processing techniques.
- Training of fine motor skills.

Usability of the module

BA Architecture	☐ Compulsory	☒ Elective
BA Gemstones and Jewelry	☐ Compulsory subject	☒ Elective
BA Interior Design	☐ Compulsory	☒ Elective
BA Intermedia Design B7	☐ Compulsory subject	☒ Elective
BA Intermedia Design B7	☐ Compulsory subject	☒ Elective
BA Communication Design 7	☐ Compulsory subject	☒ Elective
BA Fashion Design	☐ Compulsory subject	☒ Elective

Recommended degree program

Relevant for all degree programs in the Department of Design.

Recommended prerequisites for participation

None

Examination formats — Prerequisite for the award of ECTS

☐ Written ☐ Oral exam ☐ Internship /laboratory work ☐ Colloquium	☒ Project presentation ☐ Portfolio ☐ Seminar paper and term paper ☐ Practical examination	Minimum grade of satisfactory.
Instructor		Module coordinator
Prof. Jörg Obergfell		Prof. Jörg Obergfell
Literature/learning aids		
▪ Hajo Düchting: Fundamentals of Artistic Design – Perception, Color and Form Theory, Techniques / Deubner Verlag für Kunst, Theorie und Technik, 2003 ▪ Ulrich Klieber: Paths to the Image - A Teaching Concept for Artistic Design / 2017 ▪ Michael Schulze: Concept and Work Concept - Plastic Design in Architectural Education / VdF Hochschulverlag, 2012 ▪ Ulrich Klieber: Plastic Exercises in Artistic Teaching / Seemann, 2014 ▪ Michael Baxandall: The Limewood Sculptors of Renaissance Germany / Yale University Press, 1980 ▪ Barnaby Carder: Spoons / AT Verlag, 2017 ▪ Johannes Mangels: 100 [One Hundred] Questions for Viewing a Sculpture / Hans Richarz Publishing House, Sankt Augustin, 1982		
Maximum number of participants		
20		
Status: WS 2025/2026		

Module title: Anthropology and Cultural Studies / Humans and the Built Environment				**Module no.: BAR WM 20**	
Module duration	Semester in which the module takes place	Frequency		Credit points (ECTS)	Weighting of the grade for the final grade
1 Semester	From the 3rd semester	☐ Every winter semester ☐ Every summer semester ☒ as needed		3 ECTS	Based on the subject-specific study regulations
Courses/teaching methods		Contact time	Self-study	Total workload for students	
Seminar, exercise		2 hours per week / 30 hours	60 hours	90 hours	

Competency goals (learning outcomes)

- The module provides architects with an introduction to scientific reflection on human perception, feeling, judgment, memory, habits, attitudes, and actions.
- Students acquire the necessary basic knowledge of cultural studies issues and methods, including anthropology, neuroscience, body history, and gender studies.
- After successfully completing the module, students will be able to classify historical developments and controversial positions on an exemplary topic and apply them to the current discourse.
- Students learn to establish the social and ecological context of architecture and other structures in public and private spaces. They are able to accurately grasp and interpret the significance and influence of material culture.
- Students have criteria and tools for integrating the experiences and usage patterns of residents and users into planning and design.

Contents

- Experimental observation tasks and interactions to discover the interplay between the body, social events, cultural images, and material resources (auto-ethnography).
- Existing routines of perception and action relating to space, movement, and buildings are challenged and alternatives developed. Interactive experiments, excursions, and group work are central to this.
- Selected topics in material cultural history are made accessible and understandable using current examples from architectural discourse.
- Basic texts on material aesthetics and multimodal perception in cognitive psychology and cultural studies are studied and discussed.
- The module offers students the opportunity to reflect on their own designs from an anthropological or cultural studies perspective.

Usability of the module

BA Architecture	☐ Compulsory subject	☒ Elective
BA Gemstones and Jewelry	☐ Compulsory	☒ Elective
BA Interior Design	☐ Compulsory	☒ Elective
BA Intermedia Design B7	☐ Compulsory	☒ Elective
BA Intermedia Design B7	☐ Compulsory	☒ Elective
BA Communication Design 7	☐ Compulsory	☒ Elective
BA Fashion Design	☐ Compulsory	☒ Elective

Recommended degree program		
Relevant for all degree programs in the Department of Design.		
Recommended prerequisites for participation		
None		
Examination		Prerequisite for the award of ECTS
☐ Written ☒ Oral exam ☐ Internship /laboratory work ☐ Colloquium	☒ Project presentation ☒ Portfolio ☒ Seminar and term paper ☐ Practical exam	At least satisfactory Passed exam.
Instructor		Module coordinator
Variable, lecturers on the architecture program		Prof. Dr. Susanne Bennewitz
Literature/learning aids		
▪ Lynette A. Jones: Haptics / The MIT Press, 2018 ▪ M. Löw, S. Steets, S. Stoetzer: Introduction to Urban and Spatial Sociology / Opladen ², 2008 ▪ Jürgen Osterhammel: The Transformation of the World / C.H.Beck, 2015 ▪ Claudia Opitz-Belakhal: Gender History / Frankfurt a. M., 2010 ▪ D. Rübel, M. Wagner, V. Wolff (eds.): Material Aesthetics / Source Texts, 2017 ▪ Philipp Sarasin: Irritable Machines: A History of the Body / Frankfurt am Main, 2001. ▪ Jakob Tanner: Historical Anthropology / An Introduction, Hamburg, 2004 ▪ Further literature on specific topics will be provided for the semester topic		
Maximum number of participants		
20		
Status: WS 2025/2026		

Module title: Architecture and Urban History				**Module no.: BAR WM 21**	
Module duration	Semester in which the module takes place	Frequency		Credit points (ECTS)	Weighting of the grade for the final grade
1 Semester	From the 3rd semester	☐ Every winter semester ☐ Every summer semester ☒ as needed		3 ECTS	Based on the subject-specific study regulations
Courses/ Teaching methods		Contact time	Self-study	Total workload for students	
Seminar, exercise		2 hours per week / 30 hours	60 hours	90 hours	

Competency goals (learning outcomes)

- Students can identify and derive specific characteristics of architectural and design development in an urban or suburban context.
- Students qualify themselves through in-depth research on transculturality, regional identity, and postcolonial design and architectural history.
- Students have learned to describe, work on, document, and present aesthetic, architectural history, and social science issues.
- Students can transfer methods and knowledge from case studies and expertise on the Greater Region to other regions and architectural traditions, or identify analogies and interactions.

Contents

- Students learn about research, standards, and the fundamentals of architectural history as well as spatial and urban research.
- Current issues relating to transformation, mobility, social justice, cultural identity, and ecological necessity are addressed, explored in depth, and examined in specific cases.
- Perception, appreciation, and appropriation are the focus of experimental self-experiments on site and using concrete examples of architectural and design development.
- Intercultural and non-human aspects of architecture and space utilization expand and change classic categories.
- Site visits, inspections, work in archives and collections, and interactive formats are central components of learning.

Usability of the module

BA Architecture	☐ Compulsory	☒ Elective
BA Gemstones and Jewelry	☐ Compulsory	☒ Elective
BA Interior Design	☐ Compulsory subject	☒ Elective
BA Intermedia Design B7	☐ Compulsory subject	☒ Elective
BA Intermedia Design B7	☐ Compulsory subject	☒ Elective
BA Communication Design 7	☐ Compulsory	☒ Elective
BA Fashion Design	☐ Compulsory subject	☒ Elective

Recommended degree program

Relevant for all degree programs in the Department of Design.

Recommended prerequisites for participation

None

Examination formats		Prerequisite for the award of ECTS
☐ Written ☒ Oral exam ☐ Internship /laboratory work ☐ Colloquium	☒ Project presentation ☒ Portfolio ☒ Seminar and term paper ☐ Practical exam	At least satisfactory Passed examination.
Instructor		Module coordinator
Variable, lecturers from the Architecture program		Prof. Dr. Susanne Bennewitz
Literature/learning aids		
▪ von Ahn: Trier – Architecture and Art / Reclam's City Guide, 2022 ▪ Burckhardt: Why is landscape beautiful? / Berlin, 2006 ▪ Clarke (ed.): Design Anthropology / Bloomsbury Academic, 2018 ▪ Fachbach: Architecture Guide Trier / Imhof, 2015 ▪ Wruuck, Lassenberger: Luxembourg / Dom publishers, 2023		
Maximum number of participants		
20		
Status: WS 2025/2026		