

RheinMain University of Applied Sciences – Faculty of Architecture and Civil Engineering

Courses taught in English and bilingually or with limited English support*

* Please check the column "Language of Instruction"

Regarding your course selection, please note the following:

With your application at RheinMain University of Applied Sciences you enroll in a specific degree program. At the Faculty of Architecture and Civil Engineering, you are allowed to choose courses from all degree programs offered. A selection of courses from other faculties is not possible.

To learn more about the course offerings for your semester at RheinMain University of Applied Sciences, please take a look at the list of courses taught in English/bilingually/with English support below or contact the International Coordinator of the Faculty of Architecture and Civil Engineering (international-fab@hs-rm.de). Please be informed that this course list may be subject to change.

According to your level of German you may also choose courses taught entirely in German. Please visit the faculty website to see the curricula for all degree programs: <https://www.hs-rm.de/en/faculties/architecture-and-civil-engineering/international#international-students-72757>.

Core Skill and Language Courses		
Course Title	Credit Points (= ECTS)	Semester Offered
Core Skill Courses Open to All Exchange Students offered by the Competence & Career Center (Website)		
International Week: Future Leaders (August 11 – 15, 2025)	3 ECTS	In Summer Only, as a blocked course
Global Competence: your study abroad portfolio	3 ECTS	Every Semester
Language Courses Open to All Exchange Students (<i>Examples</i> ; for current course offer visit the Language Center Website)		
German as a Foreign Language		
German Intensive Course (various levels*; duration: 2 weeks, prior to start of exchange semester)	4 ECTS	Every Semester
* Our intensive course is primarily aimed at existing A- to B1-levels. Students with a level B2 and up in German <i>may</i> be asked to choose a semester-long course if they are interested in taking a German language class, depending on the overall results of the placement tests prior to the Intensive Course.		

German as a Foreign Language (various A2-B2 levels)	2 ECTS	Every Semester
Hallo Deutschland: Geschichte, Kultur, Politik & Wirtschaft (German B2)	2 ECTS	Every Semester

English as a Foreign Language		
1261 Essential English 1 (A2/B1)	2 ECTS for exchange students	Every Semester
1313 English at Work: Writing Business Letters and E-Mails (B1)	2 ECTS	In Summer Only
1315 English at Work: Giving Presentations (B1)	2 ECTS	In Winter Only
1292 Improve Your English Accuracy (B1/B2)	2 ECTS	Every Semester (but sometimes compact in the semester break)
1155 Intercultural Communication in Practice (Blended Learning)	2 ECTS	In Winter Only
1115 Advanced Technical English 1 (B2)	2 ECTS	In Summer Only
1125 Advanced Technical English 2 (B2)	2 ECTS	In Winter Only
Additional English and German intensive courses and workshops are also offered during the semester breaks – contact the Language Center for information		
“English for Specific Purposes” Courses (focus varies depending on degree program)		
English for Civil Engineering (B1/B2)	3 ECTS	Every Semester
English for Real Estate Management 1	5 ECTS	In Summer Only
English for Real Estate Management 2	5 ECTS	In Winter Only
English for Heritage Conservation	2 ECTS	Every Semester
English for Mobility Management	2 ECTS	In Winter Only

Course Title	Course Code	Course Description	Credit Points (= ECTS)	Language of Instruction	Course offered
Architecture (B.Sc.)					
Design Studio B: Building and Type*	BAR210	Project B deals with current topics and tasks in the context of the built city and always aims to design a concrete house at a precisely determinable location and with a precise and	9	Taught in German, 1:1-tutoring in English possible	Every Semester

<i>* Please note that choosing two Design Studios is not possible, as the workload would be too heavy, and Design Studios are mostly taught at the same time.</i>		realistic spatial program. In the process, the following aspects, among others, are investigated and dealt with in design terms: - The significance of references, types and models for one's own design. - The connection between the context and the shape of the house. - The interior organisation of the house. - The interplay between the interior structure and the expression of the house. - The differentiation between public and private spaces in the house. - The shape and appropriateness of the façade in relation to its task and significance in the context. - The variety of architectural elements and their functions as well as their significance for the character of the house. - The relationship between the organisation of the floor plan and the function and shape of the house.			
Design Studio C: The City and the Urban Realm*	BAR310	The aim of the course is to acquire the ability to think, design and develop beyond the mere individual object (architecture) in a complex context (city). The development of a concept that provides answers to questions posed and self-developed, but inherent to the location and its spatial-social context, is at the centre of the task. Through the interlocking of content in the module, the methodical application of the processes of urban design, constructive implementation and structural-technical derivation is practised holistically. The	10	Taught in German, 1:1-tutoring in English possible	Every Semester

		prospective architects acquire the competence to work interdisciplinarily across several scales			
Design Studio W1-3: Construction and Technology*	BAR410/ BAR610	By means of a design task, the students must prove that they can develop independent solutions for demanding and complex design tasks in terms of building construction and that they have the ability to implement both the structure, the supporting structure and the building envelope in the form of an integrated overall concept. The project W defines its focus in the area of design-forming constructions without programmatic specification. The focus of the task is the development of a design with a focus on the structural, spatial-constructive and material implementation. The constructive focus of the design is on timber construction. Each semester there are three different projects to choose from.	10	Taught in German, 1:1-tutoring in English possible	Every Semester
AdHocs	1700	The individual tasks are thematically independent and didactically different small design projects. The type of processing and presentation depends on the respective task. Each semester six AdHocs are offered. Each Adhoc is worth 1 ECTS, so in the scope of one semester up to 6 ECTS can be collected.	1 - 6	Task is given in German with English support, the work on the mini-projects is done by the students themselves	Every Semester 6 different AdHocs
Computational Design	BAR360	Commonalities and differences between classical and digital design. Parametric design versus direct modeling, geometry, and parametric rules Aesthetic aspects of parametric design and digital optimization. Learning to use typical software for this purpose.	4	Taught in German and English simultaneously	Every Semester

Electives		Different Electives available, a list is published shortly before the semester starts, please contact international-fab@hs-rm.de	2-4, depends on Elective	Taught in German, English support must be enquired at the beginning of the semester, very few taught in English	Every Semester
Bachelor's Thesis	9050	The bachelor's thesis is the examination paper that concludes the bachelor's degree. It shows that the candidate is able to deal with a problem from his or her subject area independently according to scientific methods within a given period of time. Solution of a project task in the fields of urban planning, building construction or a written concept in the field of construction management	22	Supervision in English possible on enquiry before application	Every Semester

Architecture (M.Sc.)					
Design Project Heritage	MA-012	Project development - in the economic and use-specific area Development and inclusion of basic material (drawings, plans, data) Analysis - region - location - building: inclusion of building research, damage mapping, building substance analysis, compilation and evaluation of data and statistics Determination of use: Justification and evidence for use based on secondary statistics, the preceding analyses and observations, among other things. Design concept Economic feasibility: methods of proof for calculating return on investment Writing a feasibility study in the form of a scientific, written paper with corresponding design drawings	14	Taught in German, 1:1-tutoring in English possible	Two semesters in a row, one semester break, beginning in WS 23/24
Scientific Minor Heritage	MA-014	The focus of the course is: - an intensive examination of a building, an urban area, a city or region - Documentation by means of measurement and room book in order to clarify construction processes and the development of the building - Theoretical reconstruction of building phases - Literature research and knowledge of comparative examples in order to work out a classification of the object in the building-historical context	4	Taught in German, 1:1-tutoring in English possible	Together with Design Project Heritage

		- Determining a "valuation", cultural-historical classification or a classification in the urban context - Drafting of texts and preparation of building descriptions The object-specific application of modern measuring and documentation techniques is of particular importance in the exercise.			
Design Project Add-On	MA-022	The uses of buildings are changing in ever faster cycles - barracks are becoming city quarters, office buildings are becoming housing, and industrial buildings are often becoming obsolete. The still very entrenched belief that buildings are programmed for long periods of time must be questioned. Thus, building today is always rebuilding or continuing to build. The aim is to acquire the ability to think and design beyond the mere individual object (architecture) in the complex context (process). The development of a strategy to build on the existing and to provide answers to questions posed and developed by the students themselves, but inherent in the existing structure, is at the centre of the task.	14	Taught in German, 1:1-tutoring in English possible	Two semesters in a row, one semester break, beginning in SuSe 23
Scientific Minor Add-On	MA-024	Integrated into the Design Project Add-On, strategic competences in the field of further building beyond the singular design project are to be practised.	4	Taught in German, 1:1-tutoring in English possible	Together with Design Project Add-On

Design Project Transformation	MA-032	An existing building is designed in the sense of a given architectural task. A transformation strategy is developed by analysing the existing building and assessing its potential, and an architectural project is developed, presented and discussed. The conceptual focus is placed on a sustainable consideration of the building as an ecological and economic resource and its spatial and structural transformation in a social context.	14	Taught in German, 1:1-tutoring in English possible	Two semesters in a row, one semester break, beginning in SuSe 24
Scientific Minor Transformation	MA-034	Based on a qualitative as well as quantitative analysis of the existing building structure of different example projects, different architectural potentials are elaborated and discussed comparatively, taking into account programmatic, ecological and social goals.	4	Taught in German, 1:1-tutoring in English possible	Together with Design Project Transformation
Master's Thesis	9050	The master's thesis can deal with the following topics: - Project work: architectural work: usually an architectural design - Written and scientific work: usually a research project - mainly from the fields of preservation, adding, transformation or paste	30	Supervision in English possible on enquiry before application	Every Semester
Architectural Heritage Conservation (B.Sc.)					
History and Theory	BBE131	- After successful completion of the module, students will be able to, - explain the historical and theoretical development of heritage conservation especially in Germany, but also abroad, and to understand how it may relate to the current situation of heritage conservation.	2-3	Taught in English	Taught in winter semester

		- describe the main ideas of propositionally and linguistically complex discourse and texts in the field of heritage conservation and UNESCO World Heritage in German and English on heritage conservation topics delivered in standard language or a familiar variety, and to summarize or present and discuss these main ideas in a way that is appropriate to the context and target audience. - summarize and discuss historical and contemporary texts in German and English and to put them into their historical and social context.			
Project A: Research and Assessment	BBE152	After successful completion of the module, students will be able to - record, describe, research and evaluate historical buildings and urban ensembles. - independently research and analyse literature and historical sources such as building plans and written sources with regard to the architectural history of a historical site. - categorise historical buildings and urban ensembles in their historical context and name the characteristics of urban development and architectural history using standard art historical methods. - evaluate historical buildings and urban ensembles from the point of view of monument conservation	6	Taught in German, 1:1-tutoring in English possible	Taught in winter semester

History of Urbanism	BBE212	- Students acquire essential basic knowledge of the history of urban development with reference to current tasks in urban planning and urban development, especially with reference to the handling of cultural heritage in current issues of urban development. - Compact overview of the history of urban development from early cultures to the 21st century. - Analysis and discussion of urban structure and morphology of urban spaces and the respective social development processes as well as their classification in the cultural context - Particular attention is paid to processes of change in cities, which are examined in more detail using significant examples.	2	Taught in English	Taught in summer semester
Project C: Planning and Building in Historic Urban- and Cultural Landscapes	BBE352	As part of the project, the students have the task of developing a concept for the revitalisation or further development of a site, a building ensemble or a building in the context of the historical urban or cultural landscape in line with the preservation order. The thematic spectrum ranges from archaeological sites to building ensembles from the 1970s. The focus of the task lies in the graphic representation in the form of plans and models as well as an accompanying explanatory report.	6	Taught in German, 1:1-tutoring in English possible	Taught in winter semester
Heritage Conservation Strategies	BBE531	After successful completion of the module, students will be able to,	2-3	Taught in English	Taught in winter semester

		- name the basics, background and actor constellation of German and international conservation - name current tasks and challenges in the implementation of the conservation charters in regard to various case studies - discuss essential tasks, strategies and instruments in the context of the preservation, management and sustainable development of historical places and UNESCO World Heritage sites			
UNESCO World Heritage	BBE532	After successful completion of the module, students will be able to, - name the basics, background and actor constellation of the UNESCO World Heritage Convention. - name current tasks and challenges in the implementation of the international charters and the UNESCO World Heritage Convention and to explain them using case studies. - discuss essential tasks, strategies and instruments in the context of the preservation, management and sustainable development of historical places and UNESCO World Heritage sites and to apply them to specific places. - to explain communication methods and participation strategies as an essential element of the sustainable development of cultural and world heritage sites and to design them independently on this basis.	2-3	Taught in English	Taught in winter semester

Module Project E: Design and Development of Architectural Heritage	BBE541	After successful completion of the module, students will be able to, - select and try out the methodological principles of architectural heritage conservation and urban heritage conservation as well as various methods of building surveys. - to name and apply strategies of architectural design in existing buildings. - apply the previously acquired competences to a concrete practical example in individual and group work under different tasks in a practical manner. - plan design concepts for property-specific development of existing buildings in terms of design and architecture. - assess databases, value plans, expert opinions and make recommendations. - design utilisation concepts and recommendations for action.	6	Taught in German, 1:1-tutoring in English possible	Taught in winter semester
The History of Urbanization	BBK236	Introduction: overview of the history of urban planning and construction and its significance for current urban development responsibilities Ancient history and protohistory: topographic location, public and cultic buildings, residential units, fortifications Antiquity: topographic location, public and cultic buildings, residential units, fortifications Middle Ages: city founding, idealized townscapes, quarters, streets, squares Renaissance / Baroque: ideal, planned and fortress cities	2	Taught in English	Taught in winter semester 25/26 and then only in summer semester as BBE212

		Industrialization: urban processes of growth and change 20th century: guiding principles of urban planning and resulting spatial structures Presence: history of urbanism and current responsibilities in urban development			
Special Fields of History of Architecture II	BBK336	Different topic areas dealt with in the lecture on building history (16th – 20th century) are addressed in more detail. Research/examinations, presentations, and papers on individual regions, construction types, and/or epochs Topics are partially linked to the content of the History of Art Seminar Putting into historical and biographical context	2	Taught in English	Taught in Winter semester 2025/26 and last time in Summer Semester 2026
Cultural Heritage in an International Context	BBK413	Introduction: history and handling of built cultural heritage in Germany and in the context of the UNESCO World Heritage Convention Introduction to the notions of Outstanding Universal Value, authenticity and integrity Central questions to the notions of interculturality and transculturality in the World Heritage program Management of UNESCO World Heritage sites – tasks and conflicts	4	Taught in English	Every Semester until winter semester 26/27 and then it becomes BBE532, taught only in winter semester
Strategies in Built Heritage Conservation	BBK414	Depiction of the conservation of built heritage with respect to their specific historical functions, constructions and building structures by means of case studies Different fields of conservation such as Building Conservation, Urban Conservation and Garden Conservation	2	Taught in English	Every Semester until winter semester 26/27 and then it becomes BBE531, taught

		Definitions and concepts of the prevalent methods of preservation such as building survey and building documentation, conservation, restoration, renovation, maintenance, repair and re-habilitation as well as reconstruction. Presentation of several action strategies against the back-ground of historic and recent conservation theories Communication with potential project partners, historic monuments protection authorities and state offices for historic monuments also in regard to organization and methods of operation			only in winter semester
Heritage Impact Assessment for World Heritage Properties	Elective	Increasing demands of urban development and revitalisation in recent decades has been damaging both tangible and intangible heritage values. In such a situation, conflict raise between management plans and development projects. In 2011, ICOMOS international developed a Heritage Impact Assessment (HIA) guideline regarding identify and assess the negative impacts of man-made threats on heritage values, and consequently, minimize and mitigate the adverse impacts as well as improve the management and protection of World Heritage properties. This seminar is going to introduce how this assessment tool works, through the study of several World Heritage properties which HIA is conducted in recent years. Besides, the students will be	4	Taught in English	Every Semester

		familiar with other assessment instruments such as SEA and EIA.			
Architecture and Baukultur 60+	Elective	- Architecture and urban planning of post-war modernism internationally - Architecture and urban planning of late modernism internationally - Architecture and urban planning of postmodernism internationally - Architecture and urban planning after 1945 from a gender-specific perspective - Theory and history of monument preservation since 1945 internationally	5	English	Tba, please enquire
Bachelor's Thesis	9050	The bachelor's thesis is the examination paper that concludes the bachelor's degree. Each semester there is a task which is formulated by the students themselves. The topic is taken from the subject areas of the bachelor's degree program. The work is supervised on a random basis, appointments for enquiries are available.	15	Supervision in English possible on enquiry before application	Every Semester
Architectural Heritage Conservation Sustainable Heritage Conservation, M.Sc. (M.Sc.)					
Master's Project 1.1/1.2: UNESCO World Heritage and Urban Conservation	1200/1201	After successful completion of the module, students will be able to, - distinguish between different types of urban and cultural landscapes and to understand and classify them in their complex historical, architectural, urban planning and cultural landscape contexts - analyse and evaluate extensive and historically complex urban areas or cultural landscapes and to incorporate the results - into own produced concepts of integrated urban and spatial planning	15	Taught in English	Every Semester from summer semester 2026 onwards, (not in Winter semester 2025/26)

		- structure and design integrated instruments and methods of urban and cultural landscape conservation and the management - of UNESCO World Heritage sites and to apply this knowledge using concrete practical examples, e.g. in plans, objectives or architectural design - implement the principles and goals of UNESCO World Heritage in concrete historical areas such as urban and cultural landscapes using the instruments of urban - and cultural landscape conservation in concepts, management plans or building in existing context - apply the legislative and legal framework for securing historical urban and cultural landscapes against the background of - international and state law aspects - moderate conception processes and to constructively - solve challenges of a thematic and social nature in group work using selected methods			
Master's Project 3 Heritage and Design	1300	After successful completion of the module, students will be able to, - develop concepts for the transformation of buildings - fulfill a historical analysis, comprehensive research of the site and of the building and to apply the results in the building design process. - recognize preservation and monumental value and their importance within the design process	15	Taught in German, 1:1-tutoring in English possible	Tba, please enquire

		- develop and apply Integrated Planning concepts, to put historic research and contextual analysis in a functional relation with a design task. - preserve the monumental value within the design process - structure and plan the different process stages, to present and explain your design choices, justify your position of an architectural intervention. - apply strategies for the sustainable development of Built Heritage			
Theory 1: Modern Heritage Conservation	MBE111	- Contemporary monument studies and heritage assessment as well as sustainable handling of: Modern architecture, - Architecture of post-war modernism, Late modern architecture, Architecture of the 1980s and 1990s - Dealing with building structures worth preserving and their sustainable development - Dissonant Heritage. Insight into current monument policy issues such as the assessment and handling of relics of - colonialism, the Nazi era, etc. - Principles of the Venice Charter - Principles of the Burra Charter - International approaches to today's Architectural Conservation for the interpretation and appropriation of cultural assets	2-3	On demand in English	Tba, please enquire
Theory 1: Modern Architectural History	MBE112	- Early 20th century architecture - Modern architecture	2-3	On demand in English	Tba, please enquire

		- Post-war modern architecture - Late modern architecture - Postmodern architecture - Classification of the buildings in the historical context - Modern and postmodern architectural theory			
Theory 4: Global Aspects of Sustainability	MBE162	- Starting Points: UN 2030 Sustainable Development Goals, UNESCO World Heritage Policy for Sustainability, Guiding Principles for Resilience and Integrated Approaches in Risk and Heritage Management in - European Cities - Fields of Action: Climate Change, Environmental Degradation, Migration and Inequality, Post-Crisis Recovery - Strategies and Instruments: Integrated Urban Conservation, Adapted Re-Use, Integrated Risk Management	2-3	English	Tba, please enquire
Theory 6: Heritage Management	MBE181	- Heritage Management Strategies and Methods focusing the built monumental - valued heritage, heritage transformation and new construction within the existing building fabric. - Examples of good practice - Digital Management Tools for the built heritage	5	English	Tba, please enquire
Heriland - Blended Intensive Cultural Heritage and the Planning of European Landscapes	Elective	- Analysis and application of current challenges, methods and instruments in the context of the protection and management of historical urban and cultural landscapes together with students of other European - Higher Education Institutions,	5	English	Only in winter semester

		- Writing and publishing an independent written summary with reference to the content learned (blog post);			
More Electives of Architectural Heritage Conservation: see above within the Bachelor's program of Architectural Heritage Conservation					
Master's Thesis	9050/ 1900	- Sustainable Heritage Development - Heritage Management and Governance - Architecture and Heritage - Urban Conservation and World Heritage - Built Heritage Conservation Students will be able to apply in-depth subject-specific knowledge in various working fields of heritage conservation, both theoretical and practical and complete a study within a Deadline on a self-chosen theme in interdisciplinary field of Sustainable Heritage Conservation	30	Supervision in English possible on enquiry before application	Every Semester
Civil Engineering (B.Eng.)					
Geotechnical Laboratory	11142	Independent performance of investigations in the field: small borehole, dynamic penetration testing (DPH, DPL), density determination, plate load test, etc. Independent preparation and performance of laboratory tests: Determination of consistency limits, grading curves by sieving and sedimentation, Proctor test, compression test, shear test and determination of water permeability. Preparation of a geotechnical investigation report according to Eurocode 7.2	2	Taught in German, with 1:1 tutoring in English	Every Semester
Computational Geotechnics	21200	Fundamentals of geotechnical verification in accordance with DIN EN 1997-1 and DIN 1054; working on real tasks at the computer workstation: carrying out geotechnical verifications for shallow foundations, deep	5	Taught in English	Only in summer semester, on demand

		foundations, etc. with commercial calculation software (GGU Settle, Footing, Retain, Stability, etc.); programming of individual files for geotechnical analyses and calculations (MS-Excel and Mathcad (PTC)); calculation of pile foundations and combined pile-slab foundations (KPP) with ELPLA 10 (Geotec); introduction to the topic "Finite elements in geotechnics" (Plaxis 2D); instructions for checking and critically evaluating computerized results			
Bachelor's Thesis	9050	Acquired competences: - Structuring of a defined topic - Scientifically based and methodically derived problem solving - In-depth thinking through and familiarization with a professionally sound topic - Systematization of a set topic - Creative thinking - Problem orientation and reasoned problem solving - Researching the necessary specialist literature - Ability to analyze and synthesize - Critical questioning of facts, methods and backgrounds - Research skills	10	Supervision in English possible on enquiry before application	Every Semester
Laboratory in Sanitary Environmental Engineering	23130	Presentation of the analytical methods according to the German Standard Methods (DEV). Carrying out practical laboratory tests in the Laboratory for Urban Water Management (determination methods for relevant	2	Taught in German, with 1:1 tutoring in English	Offered on an irregular basis, please enquire before application:

		wastewater parameters, oxygen determination, pH determination, precipitation and flocculation tests, determination of the dewatering behaviour of sewage sludge, etc.).			international-fab@hs-rm.de
Planning Project in Sanitary Environmental Engineering	23130	Requirements for technical systems (operating environment, load assumptions, maintenance, service life) Components and performance spectrum of the plants Basics of dimensioning (design, construction, operation, material, location) Dimensioning and application of specialised software; creation of automation concepts; planning methods and monitoring instruments Aspects of interdisciplinary cooperation with participating specialist engineers	3	Taught in German, with 1:1 tutoring in English	Offered on an irregular basis, please enquire before application: international-fab@hs-rm.de
Civil Engineering & Construction Management (M.Eng.)					
Technical Risk Management	40140	The course is composed of the theoretical and practical aspects of project management and project risk management in civil engineering projects. The theoretical part gives overview of traditional and agile project management approach in project risk management. The planning, assessment and treatment stages are discussed with emphasis of processes, tools and techniques. All aforementioned is applied and tested on real case study of project Miramare during workshop.	6	Taught in English	Every Semester; limited number of participants, 1-2 incomings, in winter semester taught online
Decision-making for Managers in Civil Engineering	N.N.	The course is composed of the theoretical and practical aspects of project management in civil engineering projects. The theoretical part gives overview of basic principles, methods and techniques as well as conditions for multi-	6	Taught in English	In summer only; limited number of participants, 1-2 incomings

		criteria decision-making in order to achieve the sustainable project solution. The decision-making process throughout the projects' whole life-cycle is discussed with the emphasis on processes, tools, and techniques that are used in both single and group decision-making environment. All aforementioned is applied on the case study with the goal of solving specific problems that occur in civil engineering projects.			
Master's Thesis	49210	- Scientifically sound work - Structuring of a defined topic - Scientifically based and methodically derived problem solving - Thinking through and familiarising oneself with a subject in depth - Systematisation of a given topic - Creative thinking - Problem orientation and scientifically based problem solving - Researching the necessary specialist literature - Ability to analyse and synthesise - Critical questioning of facts, methods and backgrounds - Research skills	30	Supervision in English possible on enquiry before application	Every Semester
Environmental Management and Urban Planning in Metropolitan Areas (M.Eng.)					
Interdisciplinary Project	8100	Multifunctional and complex analysis of interdisciplinary goals and tasks, differentiation of concerns, functions and tasks, derivation of the different technical goals and subtasks, synthesis of common tasks and concerns, elaboration of	10	Supervision in English possible on enquiry before application	Every Semester

		environmental concerns and environmental quality goals, consideration of aesthetic aspects, recognising the different user demands, dealing with a concrete planning case in the Rhine-Main conurbation. Review of tasks through all planning stages, cooperation with institutions and project with institutions and project sponsors, planning and environmental law on the project case, landscape and open space planning as well as environmental assessment and LBP/impact regulation; responsibilities and decision-making, Objective setting and assessment criteria, planning process, procedure management, participation, project management participation, project assessment, research, realisation, economic framework conditions, social components, Moderation tasks / mediation, modularisation, environmental management, controlling, evaluation, property law, Public law and private law in the project case. Usually with case studies on environmental assessment			
Master's Thesis	9050	Scientifically sound work Structuring a defined topic Scientifically justified and methodically derived problem solution Thinking through and familiarising oneself with a professionally sound topic Systematising a set topic Creative thinking	30	Supervision in English possible on enquiry before application	Every Semester

		Problem orientation and scientifically justified problem solution Researching the necessary specialist literature Ability to analyse and synthesise Critical questioning of facts, methods and backgrounds, Ability to research			
Mobility Management (B.Eng.)					
Bachelor's Thesis	9050	Technical consolidation of a study module or combination of several study modules at the end of the study program in order to lead into professional practice. Focus on engineering, technical or business aspects with the business part accounting for maximum one third of the bachelor's thesis. Work on the bachelor's thesis for six weeks.	15	Supervision in English possible on enquiry before application	Every Semester
Real Estate Management (B. Eng.)					
International Real Estate Development	4830	Investment decisions of European investors in Germany Investment decisions of German investors in Europe Differentiating economic, tax and legal framework conditions for investing abroad Different market situations based on selected examples from other European countries and their metropolises, e.g. London, Madrid and Paris Particularities of Eastern European countries and their investment structures	5	Taught in English	Only summer semester
International Real Estate Economics	4920	Micro- and macro-economic basis of the case studies Regional economic analysis and urban economics	5	Taught in English	Only summer semester

		Economic theory and practice of interest rate and currency management in open economies Hedging strategies Structures of international finance and currency politics (foreign trade policy) Economic theory of games, behavioral finance and application to negotiation models in real estate economics Application-oriented case studies on international real estate economics Depending on group size: practice lectures and/or excursions to companies/institutions (corporate contacts) Compiling			
Bachelor's Thesis	9050	Technical consolidation of a study module or combination of several study modules at the end of the study program in order to lead into professional practice Link to the practical experience phase module in the same semester Possibility to combine the two modules in such a way that the topic of the bachelor's thesis can be developed and determined by the activities and tasks done during the practical experience phase in co-ordination with the company providing the practical experience placement Focus on engineering, technical or business aspects with the business part accounting for maximum one third of the bachelor's thesis Work on the bachelor's thesis for eight weeks, followed by an oral examination and a	12	Supervision in English possible on enquiry before application	Every Semester

		presentation of the major aspects of the bachelor's thesis			
Real Estate (M.Sc.)					
International Real Estate Market Analysis & Economics	222300	Target markets and target regions for German real estate investor group Investor groups and target product of international real estate investors Methodology for structured country analysis for international real estate market analysis Analytics for real estate markets based on UK/US approaches to key market metrics Financial analysis of cross-country Currency, Economic and Interest Scenarios International sources of equity and debt capital and structuring of real estate capital	5	Taught in English	Only summer semester
International Investment Vehicles & Tax Structuring	223300	Real estate funds under the European AIFM-directive Impacts of structuring of real estate investments on the operation of real estate companies Impacts of legal and tax structuring on operational real estate management Case studies: International fund hubs and international fund structures Case studies: International real estate finance Examples from practice of international real estate investment structure	5	Taught in English	Only winter semester
Multidisciplinary Project	224100	Entrepreneurship: Business models and company formation Innovation management in real estate companies and business cases Financing options for traditional start-ups and digital prop techs	5	Supervision in English possible on enquiry before application	Only summer semester

		Stakeholder management in the real estate industry or in projects Management of conflicts of interest in complex projects Supervised, comprehensive interdisciplinary practical project Consideration of diversity, inclusion and equality in practical projects			
Master's Thesis	229050	After successful completion of the module, students will be able to answer a current real estate-specific question, taking into account its interdisciplinary (technical and economic) character. answer a current real estate-specific problem taking into account its interdisciplinary (technical and economic) character independently structure and plan resources for a complex problem, identify and use the specialist knowledge required to solve the problem identify and use the specialist knowledge required to solve it to make use of self-motivation and to cope with problems or challenges constructively learn from mistakes present complex real estate issues in a comprehensible manner and in accordance with scientific and ethical standards.	25	Supervision in English possible on enquiry before application	Every semester
Sustainable Mobility (M.Eng.)					
International Project on Mobility and Transport	8332	The students work on one or more of the following topics in alternating practice-relevant projects:	5	Taught in English	Only winter semester

		Development of mobility concepts with an international dimension Development of guiding principles for sustainable mobility in different regions and contexts			
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