RheinMain University of Applied Sciences – Faculty of Design Computer Sciences Media

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

Regarding your course selection, please note the following:

With your application at RheinMain University of Applied Sciences you enroll in a specific degree program. Your selection of courses is therefore limited to courses offered within this program. As a general rule, choosing courses from different programs is not possible, as courses from different programs frequently overlap.

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 respective departmental international coordinator for your degree program.

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 course offerings for the program of study you are enrolled in: https://www.hs-rm.de/en/faculties/.

Core Skill and Language Courses		
Core Skill Courses Open to All Exchange Students offered by the Competence & Career Center (Website)		
Course Title	**Credit Points (= ECTS)**	**Semester Offered**
International Week: Future Leaders (August 12 – 16, 2024)	3 ECTS	In Summer Only, as a block course
Prepare & Reflect – International Exchange Description: In this seminar, you will learn how to engage consciously with other cultures. We will look at ways to communicate and interact effectively and to avoid misunderstandings. You will be prepared for your semester abroad and accompanied during your stay. At the end of your stay you have the possibility to reflect and exchange your experiences with others. One of the major tasks is to create a short video about an intercultural topic within a small group and present it to the other participants.	3 ECTS	Every semester

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Language Courses Open to All Exchange Students (*Examples*; 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) * Our intensive course is primarily aimed at existing A- to B1-levels. Students with a level B2 and up in German *may* 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.	4 ECTS	Every Semester
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 Remedial English 1 (A2/B1)	2 ECTS	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)		
Media English (B2/C1) (Media Management)	3 ECTS	Every Semester
Media English (B2/C1) (Media: Conception & Production)	3 ECTS	Every Semester
MCP-SPZ-01 English for the Creative Industries	3 ECTS	Every Semester, Online, 6-days block course
English for Design (B2)	3 ECTS	Every Semester
English for Interior Design (B1/B2)	2 ECTS	Every Semester
International Scientific Presentation Skills (Crossmedia Spaces; Creative Media Conception)	3 ECTS	Every Semester

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Course Title	Course Code	Course Description	Credit Points (= ECTS)	Language of Instruction	Module offered
Communication Design (B.A.)					
Design Project	N.N.	15 different Design Projects available, for details please contact Christine.Bernhardt@hs-rm.de	9	Taught in German, 1:1-tutoring in English possible	Every Semester
Art & Design Technique	N.N.	20 different Art & Design Techniques available, for details please contact Christine.Bernhardt@hs-rm.de	3	Taught in German, 1:1-tutoring in English possible	Every Semester
Intercultural Communication	N.N.	Intercultural competence, interculturality, multiculturality and hybridity Self-perception and perception of others Reflection on personal cultural norms, values and attitudes Analysis of patterns of thinking, behaviour and communication in other cultures Critical evaluation of theoretical models of cultural differences Strategies for overcoming problems in intercultural communication Intercultural competence in a professional context	3	Taught in English	Every Semester
Computer Science (B.Sc.)/ Computer Engineering (B.Sc.)					
Bachelor's Thesis	9050	Analysis of the task Developing the theoretical basis, evaluating various alternative solutions Independent development of the solution to the problem Scientific documentation in the form of a Bachelor thesis	15	Supervision in English possible on enquiry before application	Every Semester

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Elective Project	5110	Different Elective Projects available	15	Supervision in English possible on enquiry before application	In winter only
Specialized Seminar	5121	Different Specialized Seminars available	5	Supervision in English possible on enquiry before application	Every Semester
Computer Science (M.Sc.)					
Selected Topics of Computer Science/Computer Vision	99400	Different Topics of Computer Science/Computer Vision available, for details please contact Martin.Gergeleit@hs-rm.de	6	Taught in German with limited English support	Every Semester
Master's Thesis	94310	Analysis of the task, development and use of formal models, evaluation of possible alternatives Methodologically sound design of complex systems Development of complex software using current technologies Proof of functional and non-functional properties Scientific documentation in the form of the Master's thesis	30	Supervision in English possible on enquiry before application	Every Semester
Parallel and distributed algorithms	99310	Machine models for parallel and distributed processing (esp. multicore/multiprocessor systems, clusters, grids, distributed architectures based on communication networks, GPGPUs, etc.) Programming paradigms for parallel and distributed processing	6	Taught in German with limited English support	On request, for details please contact Martin.Gergeleit@hs-rm.de

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		Abstractions for synchronisation and communication and their programming interfaces in different programming languages Patterns Parallel algorithms for special application areas Implementation environments (e.g. Message Passing Interface (MPI), OpenMP, MapReduce/Hadoop, OpenCL) Fundamentals of distributed algorithms Basic distributed algorithms (e.g. election algorithms, distributed scheduling, snapshot, global time, commitment, auctions) Special distributed algorithms for specific applications			
The Internet of Things	98310	Internet of Things: Basic definitions and delimitations Hardware basics, especially RFID technologies and node architecture Networks for the Internet of Things, esp. low-power radio technologies Integration with the classic internet, 6LoWPAN Middleware for the Internet of Things Self-localisation and tracking IdD and Big Data Security and privacy Business aspects of the Internet of Things	6	Taught in German with limited English support	On request, for details please contact Martin.Gergeleit@hs-rm.de

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		Application areas: esp. Industry 4.0, logistics, smart home, medical technology Experiments with various IdD nodes (Raspberry Pi, sensor nodes) and IdD wireless technologies (RFID, NFC, IEEE 802.15.4, Bluetooth Smart) Design and implementation of an IdD device			
Project - Design and Realization of Systems I & II	91310/ 92310	Project management (especially time and resource management) of a manageable research project in a group (other group members are usually fellow students, but can also be, e.g., academic scientific assistants). Thorough literature research on the topic of the Master's project Presentation of the research results to the group in the form of a state-of-the-art report as the basis for the finding solutions Independent development of solution approaches for the task through discussion in a group, weighing up of alternative solutions Realisation/implementation (in the sense of a proof-of-concept) using current technologies and tools Evaluation of the solution found according to relevant criteria Securing the results in the form of documentation in accordance with the rules of good scientific practice.	12	Taught in German with limited English support	Every Semester

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Interior Architecture (B.A.)					
Design and Cultural History 2	1246	- Overview of essential building and design ideas from architecture, design, interior design and art from the beginning industrialization to the present - Exploration of general civilizational, ethical and cultural values and their change in the above-mentioned time period	3	Taught in English	Fall term history 2 (19th and 20the century), Summer term history 1 (from antique times till the industrial revolution)
Concepts / Compact	1321	- Conceptual quick designs to develop functional, appealing and structural ideas for essential design tasks	4	Taught in German; support in English	Intense, introductory Warm-Up Course at the beginning of the semester. Mandatory for all students.
Module Project Space: Consisting of: • Construction • Design • Representation	1330 Consisting of: 1331 1332 1333	- General knowledge of architectural design - Empathy in the use of materials as well as the application of knowledge of craftsmanship or industrial construction and manufacturing techniques - Knowledge of appropriate rules and standards for planning, design, construction, health, safety, and the use of the built environment Non-subject specific skills (communication and cooperation). - Intuition and empathy regarding diverse needs and cultures of client or end users	15	Taught in German; support in English	The Design project is the core of the Interior Design Studies. Weekly homework and attendance.

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		- Creative experience in designing as an interaction of perception, knowledge, intuition, practice and imagination - Ability to transfer to unfamiliar contexts - Ability to develop and present own artistic ideas - Originality in the development of ideas, concepts and details			

International Media Management (B.Sc.)

The seven courses below are available to incoming students in the International Media Management program and are designed to appeal to internationally oriented students who want to learn how international cooperation works in the conception, production, and marketing of media. All "Case Studies" and "Current Topics" courses are taught by international experts who come to Wiesbaden from all over the world, and the lectures cover topics such as media management, international business, marketing, media design, media technology and media economics. Because these courses are designed to address current challenges and topics in the media industry, which are be selected by the international lecturers for each semester, the course descriptions must remain vague and can only provide examples of course content.

In addition to the seven courses offered in the International Media Management program, you can also take the intensive German course offered prior to the semester (two weeks, staring mid-March/mid-September, 4 ECTS; please refer to page 2 of this document ["German Intensive Course"] for important details on the levels offered). If you would like to take this course, please add "German Intensive Course" with 4 ECTS credits to your Learning Agreement. Further information about the course will then be offered in due time by the International Office.

Important note: Due to the block structure of the International Media Management courses offered, it will NOT be possible to attend a language course (German and/or other) during the semester for students of IMM.

Case Study in International Media Management 1	M15.1	Content examples: • Strategies for the entry of companies and brands in different regional markets • Success factors for the internationalization of	6	Taught in English by International Guest Lecturers	Every Semester

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Case Study in International Media Management 2	M15.2	companies, products and media productions • Competition and environment analysis of different regional markets • Media usage behavior in international comparison • Corporate design in an international context • Intercultural corporate communication • Management of international companies • Corporate management with multinational employees • Methods for the assessment of opportunities and risks of internationalization of brands and companies • Recruitment and management of international employees	6	Taught in English by International Guest Lecturers	Every Semester
Current Topics in Media Management: Design	M16.1	Students deepen their interdisciplinary skills in discourse with experts from abroad and identify current issues relevant to international media markets and productions. They will be able to independently identify interdisciplinary connections and references to the fields of design, business, and technology. They are able to argue their own	3	Taught in English by International Guest Lecturers	Every Semester
Current Topics in Media Management: Economics	M16.2		3	Taught in English by International Guest Lecturers	Every Semester

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Current Topics in Media Management: Technology	M16.3	contributions to the discussion and take on the role of moderator in international and interdisciplinary contexts.	3	Taught in English by International Guest Lecturers	Every Semester
Research Studies	M14	Students acquire knowledge of scientific methods and principles and apply them to a given research question. Specifically, they will analyze a current issue in the field of International Media Management with a focus on the influence of media formats and technologies on media use and reception.	6	Taught in English	Every Semester
Project Methods and Management	M17	Students acquire practical skills in project management (e.g., defining project goals, planning and organizing creative processes, self-reflection, documenting project results). As part of the course, students will create a project exposé.	3	Taught in English	Every Semester
Media and Design Management (M.Sc.)					
Digital Business & Transformation	2002	Causes of digital transformation Key technologies and drivers of digital transformation Value creation structures and players in the digital business economy Effects of digital transformation on business processes and structures Selected case studies and enabling technologies in digital business	3	Taught in English	In summer only

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		Introduction into mobile business (as a selected area of digital business) Basic principles of the development of mobile solutions and mobile business models			
Digital Markets: Economics & Regulation	2002	Selected contents. Due to the dynamics of the topic the contents are regularly updated at the beginning of the course. As a result, the following selection is to be understood as an exemplary "snapshot": Digital Telecom/Media Markets: Relevance and Development Regulatory Frameworks in Digital Markets (Example: Telecommunications / Media Markets) Structures of and value chains on digital telecommunications networks Business models for the distribution of media content on telecommunications networks Convergence of media content and telecommunications services	3	Taught in English	In summer only
Branding	2202	Foundation of Brand Management Design in the context of marketing and branding Organising design teams and decision making in design Strategies and methods of analysing and positioning brands Naming and testing of brand identities Corporate identity and corporate design	3	Taught in English	In summer only

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		Trademark protection and legal issues of brands			
Marketing & Communication Management	2202	Marketing Planning Operational Marketing Corporate and Marketing Communication	3	Taught in English	In summer only
Motion Image Media - Production & Technology	2402	Media Technologies: - Fundamental audio/video technologies and future trends - Merging audio/video and information/communication technologies in production, postproduction and distribution - Management systems (portals, CMS, EAI, collaboration systems, web shops, automation, playout...) - Organizational processes and technical workflows in network production environments - Motion image productions	3	Taught in English	In summer only
Motion Image Media - Storytelling & Design	2402	Methods and techniques of storytelling (classical basic elements, cross media storytelling, transmedia storytelling, serial storytelling, possibly also interactive storytelling and storytelling in VR and AR) Basic elements and emergent innovations in visual and auditory dramaturgies On the basis of selected current topics: Derivation of a usage scenario and suitable distribution channels for it	3	Taught in English	In summer only

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		Development of a transmedial Storyworld* by applying storytelling methods and visual dramaturgies in the development of usage and distribution specific moving image formats (* or interactive storytelling, VR, AR and future systems with moving image parts)			
Smart System Design & Technology	2502	Lectures convey interdisciplinary aspects, such as technical frameworks and design methods, for the design of smart interactive media. These will be geared towards state-of-the-art applications. Further, this knowledge will be applied in concrete conception exercises, addressing an initially defined user experience. In addition, variously scaled implementation possibilities will be assessed, as well as their chances, risks and required effort. - Possibilities and limitations of current technologies in the field of Augmented Reality and Virtual Reality - Interactive Surface Computing - Interactive Entertainment, Game Design aspects and Interactive Storytelling - Computer supported collaborative work	3	Taught in English	In summer only
User Experience Design	2502	The course 'User Experience Design' conveys basic knowledge of user experience on two levels, both theoretical and practical. Students gain	3	Taught in English	In summer only

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		an insight into the know-how for integrating users into the design, development and testing of user interfaces. Further, different techniques for prototyping, testing and evaluating will be demonstrated and applied in practical exercises. - Usability Engineering / Usability Testing - Persona, Use Case, Scenario - Heuristic Evaluation - Measuring UX quality aspects with questionnaires - Accessibility			
Student Research (Project)	2102	Students will extend their knowledge of research methods and research processes, as well as of collecting and analyzing data. They will be put into a position to utilise this during their studies by assessing and accomplishing research tasks, preparing a seminar paper as a trial for their Master thesis. They shall be able to document their results in written form following the standards of academic research and writing.	6	Supervision in English possible on enquiry before application	In summer only
Media Computer Science (B.Sc.)					
Bachelor's Thesis	9050	Analysis of the task - Developing the theoretical basis, evaluating various alternative solutions - Independent development of the solution to the problem	15	Supervision in English possible on enquiry before application	Every Semester

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		- Documentation in the form of the Bachelor thesis			
Software Engineering Project	5110	Independent processing of a larger software project in a team Role allocation in the team Agile project implementation Appropriate documentation of project results Work organisation in the team Methodical project support Software project management, agile approaches to project organisation Time management, models and techniques; conflict management; Dealing with personal resources Metrics and effort estimation Configuration and change management (versioning, configuration; tool support), software	10	Taught in German, 1:1 tutoring in English possible, if the working group decides to work in English	In winter only
Media: Conception and Production (B.A.)					
Design & Photography (mandatory for exchange students)	MO-14-LV-01	• Basics of design, typeface and typography, photography and image editing, sign language, logo design and corporate design. • Design projects in individual or group work • Creation of an expose to present an idea, content and implementation represented by design tools such as mood board, storyboard, camera work, montage/ editing, etc.	6	Taught in English	Every Semester

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		• Creation of a personal design portfolio/ reflection book by the students during the semester			
Videography (mandatory for exchange students)	MO-14-LV-02	• Basics of image composition, creative use of camera tools such as aperture, exposure time, focal length, depth of field, light. • Historical outline of the creative development of photography • Basics of camera work and montage • Basics of storytelling, creating a storyboard • Basics of auditory design • Practical exercises: Individual or group work on the topics of photography, cinematography and lighting.	6	Taught in English	Every Semester
Media Technology & Applications (mandatory for exchange students)	MO-14-LV-03	• Physical and technical basics of media technology • Basics of image generation • Basic concepts of acoustics Hardware of audio and video technology • Tutorials on Adobe Creative Cloud	6	Taught in English	Every Semester
Project Management (mandatory for exchange students)	MO-12-LV-01	• Practice-proven project management structures and processes • Agile project management & Design Thinking • Project planning and controlling • Risk management • Conflict management: methods for recognizing conflicts in good time and resolving them	3	Taught in English	Every Semester

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		- systematically - Feedback culture - Methods, tools, and success factors of project communication - Sustainability in film production and project planning: measuring and monitoring energy and resource consumption as well as CO2 emissions to identify potential for improvement - Continuous review and evaluation of own planning to measure progress on gender equity and diversity and drive further improvements			
Design Workflow (optional)	MCP-04-08	- Use of channels and means of communication customary in the industry - Target-group-oriented preparation of content - Platform-specific forms of presentation for ideas and stories - Using information sources and communicating content - Workflows and success factors in design management - Project life cycle: creating cross-media communication concepts - Documenting workflows and work outcomes	3	Taught in English	Every Semester
Media Production Basics (optional)	MCP-04-09	- Introduction to media production from a business management perspective - Script analysis and extracts	3	Taught in English	Every Semester

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		• Resource planning • Timetables and production schedules, work coordination • Basic principles of costing			
Media English (optional)	MCP-07-15	• Subject-specific video material in English • Topic-related discussions in English (e.g. on trends in the media sector) • Subject-related presentations in English	3	English	Every Semester
Intercultural Communication (optional)	MCP-13-25	• Reflection on personal cultural norms, values and attitudes • Intercultural barriers • Analysis of the paterns of thought, behaviour and communication of other cultures • Critical evaluation of theoretical models relating to cultural differences • Dealing with foreignness and intercultural conflicts • Targeted training in English-language presentation techniques • Topic-specific discussions in English	3	English	Every Semester
Media Management (B.Sc.)					
Topics of Media Economics	B-MM-L45-SWI	Independent scientific work on an individual topic in the field of Media Economics. The result is a written document according to standards for scientific papers. Different topics available, for details please contact before applying	6	Individual work on scientific paper with supervision in English	Every Semester

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Intercultural Communication	B-MM-L16-CUL	Intercultural competence and communication (theories, analysis, reflection, problem-solving) presentations writing assignments selection and work on a specific theme in the context of intercultural communication with lectures, presentations and discussions	3	English	Every Semester
Social and Professional Skills	B-MM-L15-SBK	Independent work on a practical oriented topic in the field of public relations, event management, research and documentation, etc. Different topics available, for details please contact us before applying	3	Individual Project with supervision in English	Every Semester
Project	B-MM-L38-PR1	Group project on current topics of Media Management. Different topics available, for details please contact us before applying	14	English or German with group tutoring in English (depending on project)	Every Semester

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