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Winter Semester 2025/ 2026 – Lectures in English Language

PLEASE NOTE:

- Lectures are listed according to the faculty/study program offered. If you fulfill the pre-requisites, you can take any course from any faculty/study program. There may be some restrictions in labs – attending labs is mandatory in order to receive credits
- If you take courses from different programs/ semesters, conflicts in the timetable may arise. The timetable will be announced shortly before the lecture period starts.
- The list is provisional and subject to change.
- The **red numbers** refer to our Campus Management System "LSF" and allow you to find detailed course descriptions, see https://www.lsf.hs-weingarten.de. If the description is not sufficient for your needs you will find a more detailed one in the module handbook or manual of the study program the lecture belongs to on our Website. Example Bachelor ei - Link
- Terms: hrs/week = hours per week per semester; SWS= Semesterwochenstunde(n)/ weekly hours during semester, 1 SWS = 45 minutes.
- With the exception of "Technology Management and Optimization", the lectures offered in the frame of Master programs are also open for advanced Bachelor students.

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Electrical Engineering and Information technology - ei (Bachelor program)

(semester 2 and 4 take place in English in the winter semester, semester 1 and 3 in the summer semester)

Second Semester

Course number	Title	Lecturer	ECTS	Hrs/week
4912	Electrical engineering/ Physics 2: Electrodynamics (ei2)	Herzog (LB)	5	4
3947	Computer Technology/ Computer Technology Practical (ei2)	Siggelkow	5	4
1396	Mathematics 3: Analysis 2 with exercises (ei2)	Fechter	5	4
6048	Object-Oriented Programming (similar: 6925 and 1805 in German) (ei2)	Drotleff	5	4
1850	Digital Technology (ei2)	Siggelkow	5	4
2117	Module: Metrology 1: Basics	Reichert (LB)	5	2
2121	Module: Metrology Practical	Reichert (LB)		2

Second and Fourth Semester

Course number	Title	Lecturer	ECTS	hrs/week
1910	Module: Computer-Aided Circuit Design 2: Circuit Design (prerequisite. Digital Electronics know how) (ei4)	Siggelkow	5	4
2168	Communication Technology (ei6)	Fechter	5	4
4651	Power Electronics (ei4)	Farkas	5	4
5298	Module: Introduction to Power Train Engineering (ei4)	Farkas	5	4
5839	Intelligent Transportation Systems/ traffic Telematics (ei6,7)	Fechter	5	4
10996	Module Electrical Engineering 2: Advanced (ei2)	Störzer	5	2
7079	Module Electrical Engineering 2 Advanced: Basic Practical Electrical Engineering 2: Implementation & Verfification (ei2)	Pfeil, Störzer, Kaufmann		2

1494	Module: Real Time Programming / Embedded Systems	Pfeil	5	2
1904	Module: Real Time Programming/ Embedded Systems: Lab	Weissenbühler (LB)		2
7662	Module: Image Processing: Basics of Image Processing (ei/ em 6-7)	Elster	5	4

E-mobility and Green Energy (Bachelor Program) - English taught Study Program

(semester 2 and 4 take place in English in the winter semester, semester 1 and 3 in the summer semester)

Second Semester

Course number	Title	Lecturer	ECTS	hrs/week
1396	Mathematics 3: Analysis 2 with exercises (ei2)	Fechter	5	4
4912	Electrical engineering/ Physics 2: Electrodynamics (ei2)	Herzog (LB)	5	4
3947	Computer Technology/ Computer Technology Practical (em2)	Siggelkow	5	4
7087	Automotive Engineering: Module: Automotive Engineering; Basics, Practical and Computer Aided Design (Cad) (em2)	Schweizer, Phileas (LB)	5	4
1850	Digital Technology (em2)	Siggelkow	5	4
10996	Module Electrical Engineering 2: Advanced (ei2)	Störzer	5	2
7079	Module Electrical Engineering 2 Advanced: Basic Practical Electrical Engineering 2: Implementation & Verfification (ei2)	Pfeil, Störzer, Kaufmann		2
2117	Module: Metrology 1: Basics	Reichert (LB)	5	2
2121	Module: Metrology Practical	Reichert (LB)		2

Second and Fourth Semester				
Course number	**Title**	**Lecturer**	**ECTS**	**hrs/week**
1494	Module: Real Time Programming / Embedded Systems	Pfeil	5	2
1904	Module: Real Time Programming/ Embedded Systems: Lab	Weissenbühler (LB)		2
4651	Power Electronics (em4)	Farkas	5	4
5839	Intelligent Transportation Systems/ traffic Telematics (em6,7)	Fechter	5	4
4913	Module: Electric Power Trains: Hybrids in Cars (em6)	Farkas	5	4
2168	Communication Technology (ei6)	Fechter	5	4

IPE – Industrial Project Engineering (Bachelor Program) - English taught Study Program *

*Semesters 1 - 4 are taught in English entirely, from semester 4 the study program is taught in German!
During summer semester lectures from semesters 1 and 3 are offered in English, during winter semester from semester 2

Second and Fourth Semester				
Course number	**Title**	**Lecturer**	**ECTS**	**hrs/week**
1396	Mathematics 3: Analysis 2 with exercises (ei2)	Fechter	5	4
6807	Processes and automation in photovoltaics	Niedermeier, Fath	5	4
4912	Electrical engineering/ Physics 2: Electrodynamics (ei2)	Herzog (LB)	5	4
2354	Advanced Engineering Mechanics	Stetter, Winkler	5	4
10524	Statics and Mechanics of materials (also for EU)	Winkler	5	4
2236	Engineering design and materials	Niedermeier, Bauer	6	6
10208	Technical drawing and CAD	Stetter	5	4

10717	Product Engineering with Polymer material	Niedermeier, Schreier-Alt	5	4
1421	Materials Science	Fuchs/ Mai	5	4
10919	Kinematics and Kinetics	Stetter	5	4
10917	Digital production and Industry 4.0	Straub	5	4
10918	Six Sigma and Quantitative Methods	Harth, Zerrin	5	4
10803	Advanced Production Technologies	Breckle, Ackers	5	4

Mechatronics (Bachelor Program) - English taught study program*

*Semesters 1, 3, 7 are taught in the summer semester, Semesters 2, 4, 6 the study program in the winter semester – started Summer Semester 2025, Semester 2 only in WS25/ 26

Second Semester

Course number	Course number	Course number	ECTS	hrs/week
2117	Module Mechatronics 2 - Metrology 1: Basics	Reichert (LB)	5	2
2121	Mechatronics 2 - Metrology Practical	Reichert (LB)		2
10484	Module Electronics 2: Analog Circuits	Vogel	5	2
7079	Lab for Analog circuits! - Module Electrical Engineering 2 Advanced: Basic Practical Electrical Engineering 2: Implementation & Verfification (ei2)	Pfeil, Störzer, Kaufmann		2
11100	Object Oriented Programming	Till	5	4
10524	Mechanics 2: Statics and Mechanics of materials	Winkler	5	4
10486	Mathmatics 3: Analysis 2	Smaga	5	4
11091	Tutorial Analysis 2	Sieber	2	0
10487	Science 1 – Fundamentals of Physics	Schlemmer	5	4
11092	Tutorial Fundamentals of Physics	Baumgarten	2	0

Bachelor Level – Media Design

There are no lectures held entirely in English in Media Design. But a lot of the study contents can be studied on a project basis. For those who have a basic knowledge of German (good A2 or even better B1) you can participate in courses held in German which are partly lectures, partly project-based practical group work. If this is your interest, please let me know and I will help you find potential courses.

For those with no knowledge of German at all, we suggest to take one or two projects. You would be doing a group- or individual project incl. research, concept, implementation, presentation and documentation of your own digital media design project and will be supported and guided throughout by several professors and lecturers (7527 - Project 1 – 10 ECTS; 7815 - Project 2 – 15 ECTS).

You can easily combine these projects with a German course (4 ECTS), an intercultural course, an interdisplinary course from the International Academy or any other course offered which makes sense for you to get to 30 ECTS if needed.

Please check here for more infos on the study program. For the module handbook please scroll further down: https://www.rwu.de/studium/studiengaenge/mediendesign#auf-einen-blick

Bachelor Level – Faculty S (Social Work etc.)

Lectures from the Faculty S are offered mostly in German. If you have a German level of B1 and are interested to take some lectures, kindly let me know in advance, so that I can get in touch with the faculty to check which courses are project-based and more practically oriented so that they might fit for you.

In order to check out the programs offered by faculty S, please take a look here: https://www.rwu.de/en/find-your-study-program/schwerpunkte/soziales-und-gesundheit

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Electrical Engineering and Embedded Systems - EMM (Master Program)				
Course number	**Title**	**Lecturer**	**ECTS**	**hrs/week**
1895	Simulation of Mechatronic Systems (EMM3)	Wöllhaf	5	4
2354	Advanced Engineering Mechanics (EMM1+3)	Stetter / Winkler	6	6
3124	Embedded Computing (EMM1)	Pfeil	5	4
6895	Circuit & Systems 1 – System-on-Chip – Modelling & Design (EMM1)	Siggelkow	5	4
6896	Module: Signal Processing 1: Sensor and Actuator Signals (EMM1)	Bonenberger	5	4
7118	Module: Embedded Control Seminar	Berger	5	2
7453	Module: Embedded Control Lab	Berger/		2
7781	Module: Computer vision (EMM1)	Elser	5	4
7790	Module Communications 1: Nearfield Communication (EMM1)	Ruf	5	4
10715	Advanced Hybrids (EMM1+3)	Farkas	5	4
10790	Module: Numerical Methods (EMM1)	Schneider	5	4
10791	Applied Mathematics (EMM1)	Schneider	5	4
6807	Processes and Automation in Photovoltaics	Fath	5	4
10898	Robocup (EMM1+3) (instead of 7553 Robocu@Home)	Stähle	5	4
10888	Intelligent Robotics (MM1+3) – German – questions will be answered in English	Staehle	5	4

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Mechatronics - MM (Master Program)				
Course number	**Title**	**Lecturer**	**ECTS**	**hrs/week**
6896	Module: Signal Processing 1: Sensor and Actuator Signals (MM1)	Bonenberger	5	4
7118/7453	Module: Embedded Control Seminar, Embedded Control Lab (MM1, 3)	Berger	5	4
6895	Circuit & Systems 1 – System-on-Chip – Modelling & Design (MM3)	Siggelkow	5	4
7074	Fatigue and Structural Optimization (Mm1, 3)	Winkler	5	4
1905	Process Interface Equipment (MM1)	Ruf	5	4
1895	Simulation of Mechatronic Systems (MM1)	Wöllhaf	5	4
3124	Embedded Computing (MM1)	Pfeil	5	4
4441	Power electronics (MM1)	Farkas	5	4
2354	Advanced Engineering Mechanics (MM)	Stetter / Winkler	5	6
10898	Robocup (EMM1+3) (instead of 7553 Robocup@Home)	Stähle	5	4
2236	Engineering Design and materials (MM1+3)	Niedermeier	6	4
10715	Advanced Hybrids (MM1+MM3)	Farkas	5	4
10790	Module: Numerical Methods (MM1)	Schneider	5	4
10791	Applied Mathematics (MM1)	Schneider	5	4
7781	Computer Vision (MM1)	Elser	5	4
10888	Intelligent Robotics (MM1+3) – German – questions will be answered in English	Staehle	5	4

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International Academy – one or two semesters of interdisciplinary study program in English on Bachelor Level (taking single/ individual courses is possible)				
Course number	**Title**	**Lecturer**	**ECTS**	**hrs/week**
10716	Business German In 14 Days:	Török, Judith	5	Block Seminar And Weekly
10244	Intercultural Dynamics In Global Account Management	Kadam	5	2
10612	International Business Project (01. – 11.10.2025, Spain)	Niersbach, Hohl	5	
10245	Innovation And Virtual Leadership (Online)	Piansoongnern	5 (Marked Case Study)	2
10718	Strategic Marketing (Online)	Smirnova	3	2
3585	International Marketing	Ahmadi / Niersbach	3	2
10247	Successful Presentations, Dialogues And Meetings	Hohl	3	Block Seminar
11105	Cross-Cultural Change Management In Daily Business	Hohl	3	2
10297	Multicultural Business And Project Management	Schneider	3	2
11106	Startup Fundamentals: From Idea To Launch	Ahmadi Dezfouly	3	2
11098	Positive Psychology – Why Happy Employees Matter	Joesfine Denzin	3	2

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Bachelor Level - Lectures in English language in various study fields				
Course number	**Title**	**Lecturer**	**ECTS**	**hrs/week**
1825	Operating Systems	Zeller – Applied Computer Science	4	4
10524	Statics and Mechanics of Materials	Winkler	5	4
Master Level - Lectures in English language in various study fields				
Course number	**Title**	**Lecturer**	**ECTS**	**Hrs/week**
7781	Computer Vision	Elser - IN	5	4
NEW	Machine Learning Security (MLS)	Kleber - IN	5	4
NEW	Practical IT-Security (PSEC)	Kleber - IN	5	4

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CLIC - Languages and Intercultural Seminars

German as a foreign language = Deutsch als Fremdsprache (DaF) (+ Support Courses throughout the semester)

Course number	Title	Lecturer	ECTS	Hrs/week
4382	DaF A1 - Introductory Day on Sept 29, regular course on Wed and Fri from 09:45– 13:00 throughout the semester starting 08.10.2025	xxx	4	4
4634	DaF A2 - Refreshener or Brush-up Day on Sept 29, regular course on Wed and Fri from 09:45– 13:00 throughout the semester starting 08.10.2025	xxx	4	4
4630	DaF B1 - Refreshener or Brush-up Day on Sept 29, regular course on Wed and Fri from 09:45– 13:00 throughout the semester starting 08.10.2025	xxx	4	4
4631	DaF B2- Refreshener or Brush-up Day on Sept 29, regular course on Wed and Fri from 09:45– 13:00 throughout the semester starting 08.10.2025	xxx	4	4
10850	DaF C1, starts in October- ONLINE	Rauch	5	4
10882	DaF – Technisches Deutsch -ONLINE		2	2
xxx	Tutorium DaF			
xxx	NEW: Treffpunkt Deutsch (Mondays 17:45 – 19:15) – German conversation and more			

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Course number	Title	Lecturer	ECTS	Hrs/week
xxxx	English B1 and B2 across 2 semesters – Module B1 and B2, pls discuss with CLIC if you can participate only 1 semester for less credits		5	2+2
xxxx	Several groups for professional English 1 and 2, B2 – pls. check LSF		5	4
8170	English for special purposes: Design your future		2	2
10210	Improve your speaking skills B2, C1		2	2
10194	English for special purposes: – Student EQ Edge – Emotional Intelligence and your Success		2	2
10944	Managing Workplace conflict - analyzing and resolving conflicts in international contexts		2	2
10342	English for special purposes - Vital Skills for the workplace and Future Manager		2	2
7398	English for special purposes - Englisch for marketing		3	2
xxx	Blunders in international marketing and how to avoid them		2	2
898	English Negotiating	Rudolph	3	2
156, 4370, 6415, 10712	Several Italian courses on various levels		2	2
10205, 3324, 3985	Several French courses on various levels	Ristau	2	2
10002, 2039, 3979	Several Spanish courses on various levels, some ONLINE		2	3
3322, 6313, 10695	Several Japanese courses, A1.1 (for beginners), A1.2, A1.3, A2	Akiya, Michiko	2	2
10847	Korean for beginners A1.1		2	2
16	Russian, A1.1 for beginners, A1.2	Manal	2	2
4612, 10642, 10690	Turkish, A1 for beginners, A2, B1	Dumann	2	2