

Winter Semester 2024/ 2025 - Lectures in English Language

PLEASE NOTE:

- The 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 not be enough room in some labs though.
- If you take courses from different programs and semesters, there might be conflicts in the timetable. The timetable will only 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>.
- "hrs/week/ SWS" = hours per week per semester, SWS= Semesterwochenstunde(n) in German (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.



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)

Course number	Title	Lecturer	ECTS	Hrs/week
4912	ELECTRICAL ENGINEERING 2: ELECTRODYNAMICS (ei2)	DODERER	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
Module Metrology 1 (ei2)			5	4
2117	METROLOGY 1: BASICS	STÖRZER/ PFEIL		2
2121	METROLOGY PRACTICAL	STÖRZER/ PFEIL		2

FOURTH OR HIGHER SEMESTER

Course number	Title	Lecturer	ECTS	hrs/week
1910	MODULE: COMPUTER-AIDED CIRCUIT DESIGN 2: CIRCUIT DESIGN (PREREQ. 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
10277	ROBOT CAR RACING COMPETITION (ei3-4)	NIEDERMAIER, TOBIAS	5	4

5839	INTELLIGENT TRANSPORTATION SYSTEMS/ TRAFFIC TELEMATICS (EI6,7)	FECHTER	5	4
7079	BASIC PRACTICAL COURSE ELECTRICAL ENGINEERING 2: IMPLEMENTATION & VERIFICATION (EI2)	PFEIL, STÖRZER, KAUFMANN	5	4
Real-Time Programming, Module (ei4, eiA6)			5	4
1494	REAL TIME PROGRAMMING	PFEIL		2
1904	REAL TIME PROGRAMMING LAB	PFEIL		2

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 (EM2)	FECHTER	5	4
4912	MODULE PHYSICS 2: ELECTRODYNAMICS (EM2)	DODERER/ SIEBER	5	4
3947	COMPUTER TECHNOLOGY/ COMPUTER TECHNOLOGY PRACTICAL (EM2)	SIGGELKOW	5	4
7087	AUTOMOTIVE ENGINEERING (BILINGUAL) (EM2)	REICK	5	4
1850	DIGITAL TECHNOLOGY (EM2)	SIGGELKOW	5	4
7079	BASIC PRACTICAL COURSE ELECTRICAL ENGINEERING 2: IMPLEMENTATION & VERIFICATION (EM2)	PFEIL, STÖRZER, KAUFMANN	5	4
Module Metrology 1 (em2)			5	4
2117	METROLOGY 1: BASICS	STÖRZER/ PFEIL		2
2121	METROLOGY PRACTICAL	STÖRZER/ PFEIL		2

FOURTH OR HIGHER SEMESTER

Course number	Title	Lecturer	ECTS	hrs/week
Real-Time Programming, Module			5	
1494	REAL TIME PROGRAMMING (EM6)	PFEIL		2
1905	REAL TIME PROGRAMMING LAB	PFEIL		2
4651	POWER ELECTRONICS (EM4)	FARKAS	5	4
10277	ROBOT CAR RACING COMPETITION (EM3-4)	NIEDERMAIER, TOBIAS	5	4
5839	INTELLIGENT TRANSPORTATION SYSTEMS/ TRAFFIC TELEMATICS (EM6,7)	FECHTER	5	4
4913	HYBRIDS IN CARS (EM6)	FARKAS	5	4
2168	COMMUNICATION TECHNOLOGY (EI6)	FECHTER	5	4

Physical Engineering (Bachelor Program) - English taught Study Program*

***SEMESTERS 1, 2 AND 3 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 Semester

Course number	Title	Lecturer	ECTS	hrs/week
10243	ANALYSIS 2 - DIFFERENTIAL EQUATIONS AND VECTOR ANALYSIS	SMAGA	5	4
10238	TUTORIAL ANALYSIS 2	SIEBER / N.N	-	2
1418	PHYSICS 2 ELECTRODYNAMICS	KLEMT / SIEBER	5	4
10239	TUTORIAL PHYSICS 2: ELECTRODYNAMICS	SIEBER / BAUMGARTEN	-	2
1408	MATERIALS	KOLACYAK	5	4
10274	CAD	SCHUPP	5	2
7351	PROJECT SEMINAR: SCIENTIFIC WORK	SIGGELKOW / PFEIL	5	4
Design 1 - Module			5	4
2166	TECHNICAL MECHANICS	PFEFFER	5	2
Software Development - Module			5	4
6053	SOFTWARE DEVELOPMENT	EBERHARDT	5	2
6054	PRACTICAL SOFTWARE DEVELOPMENT	EBERHARDT / HERZER		2
Electronics TE 1 - Module			5	4
6052	ELECTRONICS TE1	VOGEL	5	2
2218	PRACTICAL ELECTRICAL ENGINEERING / ELECTRONICS	VOGEL / SIEBER		2

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 (IPE2)	FECHTER	5	4
6807	PROCESSES AND AUTOMATION IN PHOTOVOLTAICS	NIEDERMEIER, FATH	5	4
4912	MODULE PHYSICS 2: ELECTRODYNAMICS (IPE2)	DODERER/ SIEBER	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
NEW	KINEMATICS AND KINETICS	STETTER	5	4
NEW	DIGITAL PRODUCTION AND INDUSTRY 4.0	STRAUB	5	4
NEW	SIX SIGMA AND QUANTITATIVE METHODS	HARTH, ZERRIN	5	4
10803	ADVANCED PRODUCTION TECHNOLOGIES	BRECKLE, ACKERS	5	4

Electrical Engineering and Embedded Systems - EMM (Master Program)

Course number	Title	Lecturer	ECTS	hrs/week
1895	SIMULATION OF MECHATRONIC SYSTEMS (EMM3)	WÖLLHAF	5	4
1905	PROCESS INTERFACE EQUIPMENT (EMM1,3)	RUF	5	4
2354	ADVANCED ENGINEERING MECHANICS (EMM1+3)	STETTER / WINKLER	6	6
3124	EMBEDDED COMPUTING (EMM21)	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)	SCHULTER	5	4
Module Embedded Control (EMM3)			5	
7118	EMBEDDED CONTROL SEMINAR	BERGER		2
7453	EMBEDDED CONTROL LAB	BERGER/		2
7781	COMPUTER VISION (EMM1)	ELSER	5	4
7790	NEARFIELD COMMUNICATION (EMM1)	RUF	5	4
10277	ROBOT RACING COMPETITION (EMM1,3)	NIEDERMEIER, TOBIAS	5	4
10280	AUTONOMOUS DRIVING (EMM1+3)	GRÖSCH	3	2
10715	ADVANCED HYBRIDS (EMM1+3)	FARKAS	5	4
10790	MODULE: NUMERICAL METHODS (EMM1)	SCHNEIDER	5	4
10791	APPLIED MATHEMATICS (EMM1) (1876, 6894 NO LONGER OFFERED)	SCHNEIDER	5	4
10898	ROBOCUP (EMM1+3)	STÄHLE	5	4
NEW	INTELLIGENT ROBOTICS (EMM1+3)	STAEHLE	5	4

Mechatronics - MM (Master Program)

Course number	Title	Lecturer	ECTS	hrs/week
6896	MODULE: SIGNAL PROCESSING 1: SENSOR AND ACTUATOR SIGNALS (EMM1)	SCHULTER	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
10941 NEW	Electronics and Semiconductor Technology for Mechatronics für (MM1, MM3)	WILHEMI	5	4
10898	ROBOCUP (MM1+3)	STÄHLE	5	4
10280	AUTONOMOUS DRIVING (MM1+3)	GRÖSCH	3	2
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
NEW	INTELLIGENT ROBOTICS (MM1+3)	STAEHLE	5	4

International Academy – one or two semesters of interdisciplinary study program in English
on Bachelor Level **(TAKING SINGLE/ INDIVIDUAL COURSES IS ALSO POSSIBLE)**

Course number	Title	Lecturer	ECTS	hrs/week
10716	BUSINESS GERMAN IN 14 DAYS:	TÖRÖK, JUDITH	5	BLOCK SEMINAR AND WEEKLY
10105	PRACTICAL SALES PROJECT SEMINAR (RAFI)	FUSS	5	BLOCK SEMINAR,
10244	INTERCULTURAL CHALLENGES IN CUSTOMER AND ACCOUNT MANAGEMENT	KADAM	5	2
10612	INTERNATIONAL BUSINESS PROJECT	NIERSBACH, HOHL	5	
10245	INNOVATION AND VIRTUAL LEADERSHIP (ONLINE)	PIANSOONGNERN	5 (MARKED CASE STUDY)	2
10718	STRATEGIC MARKETING (ONLINE)	SMIRNOVA	5	2
3585	INTERNATIONAL MARKETING	AHMADI / NIERSBACH	5	2
10247	SUCCESSFUL SEMINAR PRESENTATIONS, DIALOGUES AND MEETINGS	HOHL	2	BLOCK SEMINAR
3968	CHANGE MANAGEMENT AND NEW WORK	WALTER	5	2
10297	RUNNING COMPLEX, MULTICULTURAL BUSINESS & PROJECTS SUCCESSFULLY IN VUCA	SCHNEIDER	3 OR 5	2

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
3227	Advanced Computer Graphics	Scherzer - Computer Science IN	10	8
3939	Computational Methods in Engineering	Harth - PEM	3	2
7671	Advanced Controlling	Neff -BWU	5	4

Some lectures in the study program **"Media Design"** can be offered in English as they are offered as a project – if you are interested, kindly let me know in advance, so that I can check the possibilities -<https://www.rwu.de/studieren/studiengaenge/mediendesign?destination=%2Fhochschule%2Ffakultaeten%2Felektrotechnik-und-informatik%23studiengaenge#studieninhalte>

Lectures from the **Faculty S (Social Work etc.)** are offered mostly in German. If you have a German level of B1 and are interested to take some, 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 - <https://www.rwu.de/hochschule/fakultaeten/soziale-arbeit-gesundheit-und-pflege#studiengaenge>

Language Lectures and Intercultural Seminars (CLIC)

German as a foreign language = Deutsch als Fremdsprache (DaF)

+ Support Courses throughout the semester

Course number	Title	Lecturer	ECTS	Hrs/week
4382	DaF A1 Attention: The course starts with a two-week intensive course from Sept 18 - 29, 2023 and will be continued on Wed from 08:30- 13:00 throughout the semester Wed, Oct, 11.	Jurcsik	4	4
4634	DaF A2 Attention: The course starts with a two-week intensive course from Sept 18 - 29, 2023 and will be continued on Wed from 08:30- 13:00 throughout the semester Wed, Oct, 11.	Nonnenbroich, Neudert-Ramos, Gockel	4	4
xxxx	DaF A2 - Additional Support Course, starting Oct ?	Geisler		
4630	DaF B1 Attention: The course starts with a two-week intensive course from Sept 18 - 29, 2023 and will be continued on Wed from 08:30- 13:00 throughout the semester Wed, Oct, 11.	Ronssin, Hägele, Harder, Herz	4	4
10687	DaF B1 - Additional Support Course, starting Oct 12 - ONLINE	Spitzner		
4631	DaF B2 Attention: The course starts with a two-week intensive course from Sept 18 - 29, 2023 and will be continued on Wed from 08:30- 13:00 throughout the semester Wed, Oct, 11.	Gärtner, Burg, Bahmann, Jacob-Rauch	4	4
10688	DaF B2 - Additional Support Course - WRITING, starting Oct 13 - ONLINE	Spitzner		
10079	DaF C1.2, starts Oct 11 - ONLINE	Jacob-Rauch	2?	4

Course number	Title	Lecturer	ECTS	Hrs/week
10214	English B1 (originally for EU1+2/ FT1+2/ M1+2 students) - Module with B2, pls discuss with CLIC if you can participate for less credits	Le Roy	-	2
10215	English B2 (originally for EU1+2/ FT1+2/ M1+2 students) - Module with B1, pls discuss with CLIC if you can participate for less credits	Le Roy	5 (if you do both B1 + B2)	2
7753, 8168	Professional English, B2 (two groups)	Walz	5	4
3318	Professional English 1, B2 (originally for BM2 students - two groups) - Module in connection with Prof. Engl 2. If you want to participate, please discuss with CLIC, if you can do that for less credits!	Sheehy	2 (Module 5)	2
6848	Professional English 1, B2 (originally for TW1 students - Module in connection with Prof. Engl 2. If you want to participate, please discuss with CLIC, if you can do that for less credits!	Connor	2 (Module 5)	2
7367	Professional English 2, B2 (four groups) originally for BM3 students- Module in connection with Prof. Engl 1. If you want to participate, please discuss with CLIC, if you can do that for less credits!	Ironside, Walz, Boerger	2 (Module 5)	2
7137	Professional English 2, B2 (originally for TW2 students) - Module in connection with Prof. Engl 1. If you want to participate, please discuss with CLIC, if you can do that for less credits!	Connor	2 (Module 5)	2
8170	ESP: Design your future	Hopkins	2	2
10210	Improve your speaking skills C1	Hopkins	2	2
10194	ESP - Student EQ Edge - Emotional Intelligence and your Success	Hopkins	2	2
10903	Writing Skills - Report and Documentation	Boerger	2	2
10923	Smarter Strategic thinking	Mihell	2	2
10342	ESP -Vital Skills for the workplace and Future Manager	Hopkins	2	2
10924	Analysing and understanding business challenges	Mihell	2	2
898	English Negotiating (Block Seminar; 08.11. 16-19:15, 09.11. 9-17; 22.11. 16-19:15, 23.11. 9-17, 30.11. 9-17	Rudolph	2	2
156	Italian, A1.1 for beginners	Esposito-Depprich	2	2
4370	Italian, A1.1	Esposito-Depprich	2	2
6415	Italian, A1.2	De Pascale Speck	2	2
10712	Italian, B1, Conversazione in lingua Italiana livello B1	De Pascale Speck	2	2

10205	French, A1.1. for beginners	Ristau	2	2
3324	French, A1.2	Ristau	2	2
3985	French, A2.1	Ristau	2	2
4220	Brazilian – Portuguese, A1.1 – for beginners	Neudert Ramos	2	2
6312	Brazilian – Portuguese, A1.2	Neudert Ramos	2	2
3322	Japanese, A1.1 (for beginners)	Akiya, Michiko	2	2
6313	Japanese, A1.2 (from Lecture 5 or basic knowledge required)	Akiya, Michiko	2	2
10695	Japanese, A2.2	Akiya, Michiko	2	2
10002	A1.1 Spanish for Beginners	Buhrmann, Kössler	2?	3
2039	Spanish, A2.1	Buhrmann	2	2
3979	Spanish, B1.1	Buhrmann	2	2
16	Russian, A1.1 for beginners	Manal	2	2
5578	Russian, A1.2	Manal	2	2
4612	Turkish, A1 for beginners	Dumann	2	2
10642	Turkish A2	Dumann	2	2
10690	Turkish, B1, Structures of communication	Duman	2	2
10944	Managing Workplace Conflict – analysing and resolving conflicts in international conflicts (from 13.12. – 31.01.)	Rudolph	2	Block Seminar,
10473	Moderating Meetings and Work Sessions, 8.11. – 6.12.	Rudolph	2	Block Seminar.
4656	Intercultural Sensitization, 15. And 22.11. – 14:15 – 19:15	De Pascale Speck & Team	1	Block Seminar
7395	Fit für wissenschaftliches Schreiben, High-level of German knowledge required (at least B2, possibly C1, pls check with CLIC) - ONLINE	Kong, Vees, Zinke	2	2