Summer Semester 2026 - Lectures offered in English

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 only 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/ https://mycampus.rwu.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 - English taught study program

1st semester

Course number	Title	Lecturer	ECTS	Hrs/week
10908	MODULE ELECTRICAL ENG 1 – ELECTRICAL ENGINEERING 1 (V)	STÖRZER, MARTIN	5	2
5891	MODULE ELECTRICAL ENG 1 – PRACTICAL ELECTRICAL ENGNEERING 1 – LAB AND-E-LEARNING (BET 1)	KAUFMANN, STÖRZER		2
288	MODULE MATHEMATICS 1: ANALYSIS 1 WITH EXERCISE	ELSER	5	4
3000	MODULE MATHEMATICS 2: LINEAR ALGEBRA WITH EXERCISES	ELSER	5	4
5432	MODULE MATHEMATICS 2 LINEAR ALGEBRA/ ANALYSIS 1 – TUTORIAL	NIEDERMAIER, TOBIAS	0	2
4341	MODULE PROGRAMMING (LECTURE & PRACTICAL)	KAUFMANN, ANDRE	5	4
7805	MODULE PHYSICS MECHANICS/ PHYSICS 1	SCHLEMMER	5	4
6886	LINEAR NETWORK ANALYSIS	VOGEL	5	4

3rd semester

Course number	Title	Lecturer	ECTS	Hrs/week
4240	MODULE ELECTRICAL ENGINEERING 3: TIME AND FREQUENCY DOMAINS – CIRCUIT ANALYSIS IN THE TIME AND FREQUENCY DOMAINS	KAUFMANN, ANDRÉ	5	4
1816	MODULE METROLOGY 2 ADVANCED: ELECTRONICS PRACTICAL – LINEAR METROLOGY	REUSCH, RAINER	5	2
5139	MODULE METROLOGY 2 ADVANCED: METROLOGY 2	REICHERT, HEINZ		2
11020	MODULE ELECTRONICS 3: ADVANCED; SUSTAINABLE ELECTRONICS	STÖRZER	5	2/ 3

4th or higher semester

Course number	Title	Lecturer	ECTS	Hrs/week
5761/ 5768	MODULE ROBOTICS + LAB	WÖLLHAF	5	4
7090	SOFTWARE DEVELOPMENT FOR AUTONOMOUS MOBILE ROBOTS (AMR)	STAEHLE	5	5
7025	APPLIED HEAT TRANSFER AND FLUID DYNAMICS	RATTER	5	4

7813	Tutorial: Applied Heat Transfer and Fluid Dynamics	Ratter	0	2
11020	Module Electronics 3: Electronics 3/ Sustainable electronics (3)	Störzer	5	4
10123	RoboCup@Home Seminar (4-7th semester)	Stähle	5	4

E-mobility and Green Energy (Bachelor Program) – English taught study program				
<mark>(semester 1 and 3 take place in English in the summer semester, semester 2 and 4 in winter semester)</mark>				
1st semester				
Course number	**Title**	**Lecturer**	**ECTS**	**hrs/week**
288	Mathematics 1: Analysis 1 with Exercises	Elser	5	4
3000	Mathematics 2: Linear Algebra with exercises	Elser	5	4
5432	Linear Algebra/ Analysis 1 – Tutorial	Niedermaier, Tobias	0	
4341	Module Programming (Lecture & Practical)	Kaufmann	5	4
1421	Module Materials Science	Mai Hofer	5	4
3rd semester/ 4th semester			5	4
4240	Module Electrical Engineering 3: Time and Frequency Domains – Circuit analysis in the time and frequency domains	Kaufmann, André	5	4
7025	Applied Heat Transfer and Fluid Dynamics	Ratter	5	4
7813	Tutorial: Applied Heat Transfer and Fluid Dynamics	Ratter		2
11020	Module Electronics 3: Advanced; Sustainable Electronics	Störzer	2/ 3	4
4th or higher semester				
5891	Module Basic Practical Electrical Engineering 1: Basic Circuit (P 2-3)	Kaufmann, Störzer	3	2
7087	Automotive Engineering (em2)	Schweizer, Phileas	5	4

7034	MODULE (WITH 7295) AUTOMOTIVE ENGINEERING, PRACTICAL TRAINING / PRACTICAL AUTOMOTIVE ENGINEERING	KAUFMANN, PFEIFER	3	2
7295	MODULE (WITH 7034) AUTOMOTIVE ENGINEERING BASICS – CAD	ELLENRIEDER, CHRISTOPH	2	2
7025	APPLIED HEAT TRANSFER AND FLUID DYNAMICS	RATTER	5	4
7813	TUTORIAL: APPLIED HEAT TRANSFER AND FLUID DYNAMICS	RATTER		2
2119	MACHINE CONSTRUCTION	PFEFFER	5	4
10277	ROBOT CAR RACING COMPETITION	NIEDERMAIER, TOBIAS	5	4
5761/5768	MODULE ROBOTICS: ROBOTICS LECTURE + LAB	WÖLLHAF	5	4
5839	TRAFFIC TELEMATICS/ INTELLIGENT TRANSPORTATION SYSTEMS (GERMAN) ENGLISH MATERIALS AVAIL. AND EXAM IN ENGLISH POSSIBLE	FECHTER	5	4
4913	HYBRIDS IN CARS	FARKAS	5	4

Mechatronics (Bachelor Program) – English taught study program*

1st semester

Course number	Title	Lecturer	ECTS	hrs/week
7805	PHYSICS 1: MECHANICS AND THERMODYNAMICS	SCHLEMMER, SIEBERT	5	4
11003	MECHATRONICS 1: BASICS	KAUF	5	4
11002	LINEAR NETWORK ANALYSIS	VOGEL	3	2
5891	BASIC PRACTICAL ELECTRICAL ENGINEERING 1: BASIC CIRCUIT (LAB AND E-LEARNING)	KAUFMANN, STÖRZER	3	2
10992	COMPUTER SCIENCE BASICS	EBERHARDT	3	2
10993	PROGRAMMING 1: BASICS	EBERHARDT	3	4
10208	TECHNICAL DRAWING/ CAD	STETTER, BRENNER	5	4
288	ANALYSIS 1	ELSER	5	4
3000	MATHEMATICS 2: LINEAR ALGEBRA WITH EXERCISES	ELSER	5	4
5432	TUTORIAL LINEAR ALGEBRA / ANALYSIS 1	NIEDERMAIER, TOBIAS	0	2
11192	SENSORS AND CONTROL (ME3)	SCHLEMMER	5	4
11189	DIGITAL CIRCUITS (ME3)	VOGEL	5	2

IPE – Industrial Project Engineering (Bachelor Program) – English taught study program *

SEMESTERS 1 – 4 ARE TAUGHT IN ENGLISH ENTIRELY, FROM SEMESTER 5 THE STUDY PROGRAM IS TAUGHT IN GERMAN! DURING SUMMER SEMESTER LECTURES FROM SEMESTERS 1 AND 3 ARE OFFERED IN ENGLISH, DURING WINTER SEMESTER SEMESTER 2 AND 4 ARE OFFERED IN ENGLISH

Course number	Title	Lecturer	ECTS	hrs/week
3000	MATHEMATICS 2: LINEAR ALGEBRA WITH EXERCISES	ELSER	5	4
5432	LINEAR ALGEBRA/ ANALYSIS 1 – TUTORIAL	ELSER/ BERENS	0	2
10637	INTRODUCTION PRODUCTION TECHNOLOGY	STRAUB	5	5
10803	ADVANCED PRODUCTION TECHNOLOGIES	BRECKLE	5	4
10516	PROGRAMMING WITH PYTHON	HARTH, ZERRIN	5	4
7063	SYSTEMS ENGINEERING (ONLINE)	STELTER	5	4
7025	APPLIED HEAT TRANSFER AND FLUID DYNAMICS	RATTER	5	4
7813	TUTORIAL: APPLIED HEAT TRANSFER AND FLUID DYNAMICS	RATTER		2
11202	DIGITAL PRODUCTION AND INDUSTRY 4.0	WEIß, IRIS MARIA , DR.-ING.	5	4
11187	KINETICS AND ENGINEERING DESIGN	STETTER	5	4
6807	PROCESSES AND AUTOMATION IN PHOTOVOLTAICS	NIEDERMEIER, FATH	5	4
10156	TECHNOLOGY 3D-PRINTIING FOR AUTOMOTIVE	LAHRES, MICHAEL, DR.	5	4
1421	MATERIALS SCIENCE	MAI, HOFER	5	4

AI – Angewandte Informatik/ Applied Computer Science – generally offered in German but doable with a German level of B1, better B2

PROFESSORS USUALLY HAVE SOME ENGLISH LITERATURE AVAILABLE AND ARE OPEN TO OFFER EXAMS IN ENGLISH (OR LET YOU ANSWER IN ENGLISH OR DO AN ORAL EXAM IN ENGLISH)

Course number	Title	Lecturer	ECTS	hrs/week
4862	WEB-PROGRAMMIERUNG (FIRST SEMESTER) – IN GERMAN WITH A LOT OF VIDEO MATERIAL– ADAPTIONS OF EXAM TO A "HIGHER SEMESTER OR MASTER LEVEL" ARE POSSIBLE, PLEASE BE IN TOUCH WITH THE PROFESSOR	HOFMEISTER	5	4
1825	OPERATING SYSTEMS (2ND SEMESTER) – ENGLISH LITERATURE AVAILABLE, PROF WOULD BE PREPARED TO DO ORAL EXAMS IN ENGLISH	ZELLER	5	4
1889	SYSTEMPROGRAMMIERUNG (3RD SEMESTER) –PROGRAMMING OF SYSTEM PROGRAMS USING LINUX	KATHAN, DROTLEFF	5	4
10794	CLOUD COMPUTING (4TH SEMESTER) – AI-DRIVEN SOFTWARE DEVELOPMENT, PRACTICAL EXERCISES	HOFMEISTER	5	4
1502	DATA SECURITY (6TH SEMESTER) – EXAM CAN BE DONE IN ENGLISH	LÖHMANN	5	4
1503	SYSTEM SECURITY (6TH SEMESTER) – EXAM CAN BE DONE IN ENGLISH	BAUMANN, SPIESS	5	4
4359	SYSTEM ADMINISTRATION (7TH SEMESTER) – EXAM CAN BE DONE IN ENGLISH, END PRESENTATION CAN BE HELD IN ENGLISH	STÄHLE, PERK	5	4

Electrical Engineering and Embedded Systems - EMM (English taught Master Program)

Course number	Title	Lecturer	ECTS	hrs/week
7110	COMMUNICATION 2 – WIRELESS COMMUNICATION	FECHTER	5	4
1706/ 4876	MODULE ADVANCED CONTROL SYSTEMS – DIGITAL CONTROL / DIGITAL CONTROL LAB	BERGER	6	4
4874/ 7193	MODULE: EMBEDDED COMPUTING LAB/ EMBEDDED COMPUTING PROJECT (SS ONLY)	ELLENRIEDER	5	2/ 3
4872	COMPUTER VISION	ELSER/ BERENS	5	4
7781	COMPUTER ARCHITECTURE	SIGGELKOW	5	4
3311/ 2172	MODULE: ROBOTICS / LAB ON ROBOTICS	WÖLLHAF/ STÄHLE	5	4
7183	SIGNAL PROCESSING 2 – DIGITAL FILTERS	SCHULTER	5	4
4443	AUTOMATION	RUF	5	4
2171/ 1905	MODULE: PROCESS INTERFACE EQUIPMENT / PROCESS INTERFACE EQUIPMENT LAB	RUF	5	4/2
10156	TECHNOLOGY 3D-PRINTING FOR AUTOMOTIVE	LAHRES	2	2
1856	SIMULATION, DATA ACQUISITION, MONITORING, AND EVALUATION: A HANDS-ON JOURNEY WITH COMMUNICATION BUSES	HOHL/ DODEK	5	4
10124	ROBOCUP@HOME LEAGUE TOURNAMENT – SEMINAR FOR MASTERS	STÄHLE	5	4
10280	AUTONOMOUS DRIVING	GRÖSCH	5	4
6807	PROCESSES AND AUTOMATION IN PHOTOVOLTAICS	NIEDERMEIER/ FATH	5	4
10715	ADVANCED HYBRIDS	FARKAS, LASZLO	5	4
7945	LIDAR AND RADAR SYSTEMS	ELSER	5	4
7025	APPLIED HEAT TRANSFER AND FLUID DYNAMICS (AND 7813 TUTORIAL – NO ECTS)	RATTER	5	4

Mechatronics – MM (English taught Master Program)

Course number	Title	Lecturer	ECTS	hrs/week
2233	ELECTRICAL DRIVES	FARKAS	5	4
4443	AUTOMATION	RUF	5	4
1856	SIMULATION, DATA ACQUISITION, MONITORING, AND EVALUATION: A HANDS-ON JOURNEY WITH COMMUNICATION BUSES, BLOCK SEMINAR, 27.07.–31.07.26	HOHL/ DODEK	5	4
1905/ 2171	MODULE: PROCESS INTERFACE EQUIPMENT / LAB ON PROCESS INTERFACE EQUIPMENT	RUF	5	4/ 2
1706/ 4876	MODULE: ADVANCED CONTROL SYSTEMS – DIGITAL CONTROL / DIGITAL CONTROL LAB	BERGER	2	3
3311/ 2172	MODULE: ROBOTICS/ LAB ON ROBOTICS	WÖLLHAF	5	4
4874	MODULE: EMBEDDED COMPUTING LAB (SS ONLY)	PFEIL	2	2
7193	MODULE: EMBEDDED COMPUTING PROJECT (SS ONLY)	PFEIL	2	3
6807	PROCESSES AND AUTOMATION IN PHOTOVOLTAICS	NIEDERMEIER/ FATH	5	4
7183	SIGNAL PROCESSING 2 – DIGITAL FILTERS	SCHULTER	5	4
10156	TECHNOLOGY 3D-PRINTING FOR AUTOMOTIVE	LAHRES	2	2
7025	APPLIED HEAT TRANSFER AND FLUID DYNAMICS	RATTER	5	4
7813	TUTORIAL: APPLIED HEAT TRANSFER AND FLUID DYNAMICS	RATTER		2

Bachelor level - Lectures in English Language In various study fields

Course number	Title	Lecturer	ECTS	hrs/week
7217	GAME DESIGN – POSSIBLE IN ENGLISH (DIFFERENT TOPICS) – PLEASE LET ME KNOW IF YOU ARE INTERESTED!	SCHERZER– MEDIA DESIGN	5	4
7527	PROJEKT 1– POSSIBLE IN ENGLISH (DIFFERENT TOPICS) – PLEASE LET ME KNOW IF YOU ARE INTERESTED!	LAUTERBACH/EHRET – MEDIA DESIGN	10	Several dates
7815	PROJEKT 2– POSSIBLE IN ENGLISH (DIFFERENT TOPICS) – PLEASE LET ME KNOW IF YOU ARE INTERESTED!	LAUTERBACH/EHRET – MEDIA DESIGN	15	8

Master level - lectures partially of fully in English in various study fields

Course number	Title	Lecturer	ECTS	Hrs/week
6279	COMPUTER GRAPHICS FOR MASTER– TO CHECK WITH PROF IF ENGLISH LITERATURE IS AVAILABLE AND ENGLISH EXAM CAN BE TAKEN	SCHERZER – IN	5	4
6768	GAME DEVELOPMENT FOR MASTER – TO CHECK WITH PROF IF ENGLISH LITERATURE IS AVAILABLE AND ENGLISH EXAM CAN BE TAKEN	SCHERZER – IN	5	4
7954	APPLIED DEEP LEARNING – TO CHECK WITH PROFESSOR IF ENGLISH LITERATURE IS AVAILABLE AND ENGLISH EXAM CAN BE	SCHUTERA – IN	5	4
3939	COMPUTATIONAL METHODS IN ENGINEERING	HARTH – PEM	3	2
10792	SOFTWARE ARCHITECTURE – (MOSTLY IN ENGLISH)	HOFMEISTER – IN	5	4
10630	ANGRIFFE GEGEN IT-SYSTEME / ATTACKS AGAINST IT SYSTEMS, (2ND SEMESTER) – (HELD IN GERMAN WITH ENGLISH MATERIALS, ENGLISH EXAM POSSIBLE)	BAUMANN, SPIESS – IN	5	4

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

International Academy – (1 - 2 semesters interdisciplinary study program in English)

10102	Cross cultural communication and team work	Hohl	3	2
10106	Research Methods in Business Marketing	xxx	3	2
7184	International B2B marketing & Sales	Ahmadi,	3	2
10107	Entrepreneurial Leadership – online	Opas Piansoongnern	3	2
10357	Consumer Psychology	Walter	5	2
10718	Strategic Marketing – online	Smirnova	3	2
11024	Sustainable Marketing, Online?	Rodrigo Guesalaga	3	2
10798	Sustainability and Earth Resources – online/ Onsite	Ian Picketts	3	2
4906	Business Analysis and Valuation	Neff	3	2
tbd	Customer Management in Global Markets	Peters	5	2
11206	Show, don't tell: Gesture Speech package for communication	Banaruee	5	2

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 (several groups)– Introductory Day on March 9th, regular course on Wed and Fri from 09:45– 13:00 throughout the semester starting 18.03.2026		4	4
4634	DaF A2 (several groups)– Refreshener or Brush-up Day on March 9th , regular course on Wed and Fri from 09:45– 13:00 throughout the semester starting 18.03.2026		4	4
4630	DaF B1 (several groups)– Refreshener or Brush-up Day on March 9th , regular course on Wed and Fri from 09:45– 13:00 throughout the semester starting 18.03.2026		4	4
10687	DaF B1 – Additional Support Course, starting mid-March			
4631	DaF B2 (several groups)– Refreshener or Brush-up Day on March 9th , regular course on Wed and Fri from 09:45– 13:00 throughout the semester starting 18.03.2026		4	4
10688	DaF B2 – Additional Support Course – WRITING - ONLINE			ONLINE
10850	DaF C1 – ONLINE	Jacob-Rauch, Kerstin	4	5
10892	DaF Technisches Deutsch - ONLINE		2	
7395	Fit für wissenschaftliches Schreiben – für Studierende, die mind. B2 in Deutsch haben ONLINE	König, Vees,	2	3

	English and other languages	Lecturer	ECTS	Hrs/week
Course number	**Title**	**Lecturer**	**ECTS**	**Hrs/week**
xxxx	Several English courses available on level B1 and mostly on level B2. Please check LSF for the different courses. German students all have to take English and reach at least a level of B2, there are different courses available for each study program		–	2
10795	English and Economy (IPE 3)	Ahmed, Fauzia Obaid, Dr.	5	4
10210	Improve your speaking skills C1	Hopkins	2	2
10194	English for specific purposes (ESP) – Student EQ Edge – Emotional Intelligence and your Success	Hopkins	2	2
8170	Design your Future (start 25.03.)	Hopkins	2	2
898	English Negotiating	Rudolph, Frank	2	3
156	Italian, A1.1 for beginners	Esposito-Depprich, Stefania	2	2
4370	Italian, A1.2	Esposito-Depprich, Stefania	2	2
6415	Italian, A2.2	Esposito-Depprich, Stefania	2	2
10205	French, A1.1. for beginners	Ristau, Joelle	2	2
3324	French, A1.2	Ristau, Joelle	2	2
3985	French, A2.1	Ristau, Joelle	2	2
4416	French, B.1	Ristau, Joelle	2	2
3322	Japanese, A1.1 (for beginners)	Akiya, Michiko	2	2
6313	Japanese, A1.2 (from Genki Lecture 4-5, or basic knowledge required)	Akiya, Michiko	2	2
4369	Japanese, A1.3 (from Genki lecture x)	Akiya, Michiko	2	2
4641	Japanese, (A2.1 or A2.3)	Akiya, Michiko	2	2
10695	Japanese, A2.2	Akiya, Michiko	2	2

10847	Korean, A1.1	Kim Jinhee	2	2
10983	Chinese, A1.1 (13., 20., 27.04., 11. u 18.05., 15.06. – 16-18:15)	Li-Keppeler	2	2
6302	Chinese, A1.2 (14., 21., 28.4., 05., 12., 19. 5., 09., 16., 23.06.- 16:00 – 18:15)	Li-Keppeler	2	2
10002	Spanish for Beginners A1.1	Kösler, Liliana	2	3
10003	Spanish, A1.2	Kösler, Liliana	2	3
2039	Spanish, A2.1	Kösler, Liliana	2	2
4596	Spanish, A2.2	Kösler, Liliana	2	2
3979	Spanish, B1.1	Buhrmann, Ingrid	2	2
10921	Spanish, B2, Conversation	Kösler, Liliana	2	2
5578	Russian A1.2	Manal, Danuta	2	2
4656	Intercultural Sensitization, 08.05.26 - 14:15-19:15, 09.05.26 – 8:30-13:00	De Pascale Speck & Team	1	Block Seminar
5149	Working in International Scientific Teams, Block 17.04.14:15 – 17:00, 18.04. – 09:00 – 17:00	Rudolph	1	Block Seminar
11039	Cooperating in multinational scientific project teams (Start 25.03.26 – 16-19:15)	Rudolph	5	4
7395	Fit für wissenschaftliches Schreiben (online)	König, Vees	2	2