List of courses taught in English - 2017/18

Hochschule Ulm is offering a variety of courses taught in English.
Please note that the programs have different semester times

Academic Calendar		
International Engineering Programs IMEP, ICEP and IEEP (3-month-program)	Fall semester: Exams:	IMEP: October – December + free intensive German course in September Mid-December
	Spring semester: Holidays: Exams:	ICEP + IEEP: April - June + free intensive German course in March 2 weeks in May/June (Pentecost) (Possibility to stay for a laboratory project in July) last week of June
Regular Semester Programs	Fall semester Start: Holidays: Exams:	 Beginning of October 2 weeks in Dec/Jan (Christmas) first 2 weeks of February
	Spring semester Start: Holidays: Exams:	 Beginning of March 2 weeks in May/June (Pentecost) last 2 weeks of July

A) International Engineering Program (IEP) - 3-month-program
→ International Mechanical Engineering Program – IMEP
→ International Electrical Engineering Program – IEEP
→ International Computer Engineering Program - ICEP

B) Full Semester programs
→ International Semester Program in Energy Economics – SPEEC
→ International Semester Program in Business – SPiB
→ Digital Media Program
→ Bachelor Degree Program in Computer Science
→ Courses offered by different faculties

C) Master-Level Courses taught in English
→ Master Degree Program in Information Systems
→ Different courses offered by various faculties

D) German Language courses

		Semester Programs	3-month-courses (IMEP, IEEP, ICEP)	Language Courses
Arrival day 1: 1. September	**September**	Intensive German Language Course for students with no or very little knowledge of German		
Arrival day 2: 1. October	**October**	Regular Semester Programs (Bachelor + Master level)	IMEP	Mandatory German Course Level 1-5
	November			
	December		Exams for IMEP students	Exams for IMEP studens
	January			
	February			
		Exam weeks		Exams
Arrival day: 1. March	**March**	Regular Semester Programs (Bachelor + Master level)	Intensive German Course - Only for ICEP and IEEP students	
Arrival day 2: 1. April	**April**		ICEP + IEEP Program	Mandatory German Course Level 1-5
	May			
	June		Exams for ICEP + IEEP students	Exams
	July	Exam weeks	Optional project work	
	August	Summer break		

A) International Engineering Program (IEP) - 3 Month Program

Please note: Semester times are different from our regular semester times.
Detailed course description: http://www.hs-ulm.de/Internationales/AAA/InternationaleStudierende/InternationalEngineeringProgramme/

Department / Study Program	Lecturer	Title	ECTS credits	Fall semester 1. Oct - 23. Dec	Spring semester 1. April - 30. June
Production Engineering / IMEP					
P / IMEP	Kurfess / Wehrheim	CAD/CAM	4	X	
P / IMEP	Beckmann	Dynamics I	4	X	
P / IMEP	Beckmann	Dynamics II	4	X	
P / IMEP	Hüser / Hartberger	Lean Production Systems	4	X	
P / IMEP	Commerell	System Automation	4	X	
P / IMEP	Renze	Applied Thermal-Fluid Systems	4	X	
P / IMEP	Ruderich	Fluid Mechanics	4	X	
P / IMEP	Kabza	Fuel Cells	4	X	
P / IMEP	Watty	Collaborative Product Development (CPD)	4	X	
P / IMEP	Schlickenrieder	Assembly, Manipulation, Industrial Robotics (AMIR)	4	X	
Electrical Engineering / IEEP					
E / IEEP	Terzis	Digital Integrated Circuits	4		X
E / IEEP	Commerell	Control Technology	4		X
E / IEEP	Professors of Department Electrical Engineering and Information Technology	EE Advanced Project Work	4		X
Computer Engineering / ICEP					
I / ICEP	Schäffter	Computer Networks	4		X
I / ICEP	Schäffter	Information Security Management	4		X
I / ICEP	Frey	Machine Vision	4		X
I / ICEP	Hering / Steiper	Operating Systems	4		X
I / ICEP	Strahnen	Computer Architecture	4		X

Department / Study Program	Lecturer	Title	ECTS credits	Fall semester 1. Oct - 23. Dec	Spring semester 1. April - 30. June
Social Sciences					
IMEP	McLeod	Germany within Europe	4	X	
I / ICEP and E / IEEP	Kratzer	Germany In The Last Three Centuries	4		X

B) Full Semester programs

Those courses are offered during the German regular semester times, mixing IEP courses and semester program courses is NOT possible
The courses will be taught in English if international students are at place. Please note: It is possible that courses may take place at the same time. Students should chose only courses from <u>one</u> department.

*students should choose either Block 1 or 2 to avoid overlappings of courses

Department / Study Program	Lecturer	Title	ECTS credits	Fall semester (October - February)	Spring semester (March - July)	Course code
Department of Production Engineering and Production Economics / International Semester Program in Energy Economics - SPEEC						
P / SPEEC – Block 1*	Otto	Operations Research	5	X	X	
P / SPEEC – Block 1*	Gaisbauer-Pointner	Performance Management	5	X	X	CKLM
P / SPEEC – Block 1*	R. von Schwerin	Analytics for Energy Data	5	X	X	AFED
P / SPEEC – Block 1*	Kleiser	Energy Efficiency	5	X	X	
P / SPEEC – Block 1*	Böhm	Power Plant Technology	5	X	X	KRAT
P / SPEEC – Block 2*	Otto	Energy Trading and Risk Management	5	X	X	ETRM
P / SPEEC – Block 2*	Heilscher	Energy Data Management	5	X	X	EDAT
P / SPEEC – Block 2*	Otto / Heilscher	Seminar in Energy Economics	5	X	X	
P / SPEEC – Block 2*	Iniotakis	Simulation	5	X	X	
P / SPEEC – Block 1 + 2*	Gaisbauer-Pointner	Intercultural Communication	2	X	X	

Department / Study Program	Lecturer	Title	ECTS credits	Fall semester (October - February)	Spring semester (March - July)	Course code
P / SPEEC – Block 1 + 2*	All professors	Project in Energy Economics	10	X	X	
Department of Production Engineering and Production Economics / International Semester Program in Business - SPiB						
P / SPiB	Dippe / Bentley	International Business	5	X	X	
P / SPiB	Gaisbauer-Pointner	Performance Management and Cost Accounting	5	X	X	
P / SPiB	Dippe	Leadership and Business Communication	5	X	X	
P / SPiB	Cürten	Cross Cultural Management	5	X	X	
P / SPiB	Gaisbauer-Pointner / Bentley	Environmental Policy	5	X	X	
P / SPiB	Otto	Operations Research	5	X	X	
P / SPiB	Otto	Energy Trading and Risk Management	5	X	X	
P / SPiB	Iniotakis	Simulation	5	X	X	
P / SPiB	McLeod	Germany within Europe	4	X		
P / SPiB	Kratzer	Germany within the last three centuries	4		X	
P / SPiB	Gaisbauer-Pointner	Intercultural Communication	2	X	X	
P / SPiB	Otto	Project in Energy Economics	10	X	X	
Department of Production Engineering and Production Economics						
P / Production Engineering	Völker	Distribution Logistics	4	X	X	
P / Production Engineering	Stöhler / Völker	Business Information Systems	4	X	X	

Department / Study Program	Lecturer	Title	ECTS credits	Fall semester (October - February)	Spring semester (March - July)	Course code
P / Production Engineering	Heilscher / Arlitt	Energy Meteorology		X		
P / Production Engineering	Commerell	System Automation	4	X	X	
P / Production Engineering	Commerell	Energy Storages	4	X		
Department of Electrical Engineering and Information Technology / Digital Media - open for enrollment ONLY for design students						
E / Digital Media Program	Radtke	Corporate Design	8	X		
E / Digital Media Program	Götz	Ergonomics / Universal Design	5	X	X	
E / Digital Media Program	Gaida	Image Conception	5	X		
E / Digital Media Program	Gerbaulet	Interaction Design 1	10	X		
E / Digital Media Program	Kruse	Motion Capturing	5	X		
E / Digital Media Program	Radtke	Color Design	5		X	
E / Digital Media Program	Hofmann	Computer Graphics	7		X	
E / Digital Media Program	Radtke	E-Learning	10		X	
E / Digital Media Program	Gaida	Photography	5		X	
E / Digital Media Program	Gerbaulet	Interaction Design 2	5		X	
E / Digital Media Program	Radtke	Typography	5		X	
E / Digital Media Program	Radtke	Type in Motion	5		X	
E / Digital Media Program	Lunde	Programming 1 Programming 2	5 5	X	X	
Department of Computer Science						
I / Computer Science: Complete Bachelor Program will be offered in English (started in Fall 2016, so in 2017 only Sem. 1-3 available + Special Subject Modules)						
1. Semester courses:						
	t.b.a.	Calculus 1	5	X		
	t.b.a.	Introduction to Computer Science	5	X		

Department / Study Program	Lecturer	Title	ECTS credits	Fall semester (October - February)	Spring semester (March - July)	Course code
	t.b.a.	Programming 1	5	X		
	t.b.a.	Technical Foundations of Computer Science	5	X		
2. Semester courses						
	t.b.a.	Linear Algebra	5		X	
	Kratzer	Programming 2	5		X	
	Steiper	Computer Networks	5		X	
	Schied	Theoretical Computer Science	5		X	
	Frey	Microcomputer Technology	5		X	
3. Semester courses						
	t.b.a.	Calculus 2	5	X		
	Baer	Programming 3	5	X		
	Schied	Algorithms and Data Structures	5	X		
Special Subjects:						
3. Semester	Frey	Digital Systems	5	X		
3. Semester	Strahnen	Embedded Systems	5	X		
3. Semester	Schäffter	Information Security	5	X		
3. Semester	Graf	Mobile Application Development	5	X		
3. Semester	Frey	Machine Vision	5	X		
4. Semester	Frey	Hardware oriented Programming	5		X	
4. Semester	Schlegel	Realtime Systems	5		X	
4. Semester	Schäffter	Digital Forensics	5		X	
4. Semester	Steiper	Adhoc & Sensor Networks	5		X	
4. Semester	Lunde	Computer Graphics	5		X	
5. Semester	Strahnen	Computer Architecture	5	X		
5. Semester	Schlegel	Autonomous Systems	5	X		

Department / Study Program	Lecturer	Title	ECTS credits	Fall semester (October - February)	Spring semester (March - July)	Course code
5. Semester	Schäffter	Pen Testing	5	X		
5. Semester	Traub	Web Engineering	5	X		
5. Semester	Hasbargen	Game Programming	5	X		
I / Business information Systems	Herbort	Database Programming	5	X	X	
I / Business information Systems	v. Schwerin	Data Warehousing	5	X	X	
I / Data Sciencde in Medicine	Vögel	Medical Information Systems	5	X	X	
Department of Mathematics, Natural and Economic Sciences						
G / Institute of foreign Languages and Management (IFM)	Bentley	Industrial Innovation	5	X	X	
G / Institute of foreign Languages and Management (IFM)	Bentley	Environmental Policy	5	X	X	

C) Master-Level Courses taught in English

Department / Study Program	Lecturer	Title	ECTS credits	Fall Semester (October - February)	Spring Semester (March - July)
I / Master Information Systems		Complete Master Program is offered in English			
E / Master SYE and SYE intl. resp.	Weiss	Numerical Optimization	6		X
E / Master SYE and SYE intl. resp.	Leute / Lau / Mantz / Werner	Physical Methods	6		X
E / Master SYE and SYE intl. resp.	Bank / Commerell	Modeling of Technical Systems	6		X
E / Master SYE and SYE intl. resp.	Bank	Model-Based Systems Development	6		X

Department / Study Program	Lecturer	Title	ECTS credits	Fall Semester (October - February)	Spring Semester (March - July)
E / Master SYE and SYE intl. resp.	M. von Schwerin / Schlick	Embedded Systems	6		X
P / Master SYI Logistics	Baumgärtel	Strategical Controlling with SCOR	5	X	
P / Master SYI Logistics	Baumgärtel, Stäblein	Quantitative Methods in Logistics Planning	5		X
G / Institute of foreign Language and Management	Bentley	International Business (Master-Program)	5	X	X

D) German Language courses

		ECTS	Fall Semester	Spring Semester
G / Institute of foreign Language and Management (IFM)	German for Beginners 1 - Intensive Course September	2	X	
G / Institute of foreign Language and Management (IFM)	German for Beginners 2 - Intensive Course September	3	X	
G / Institute of foreign Language and Management (IFM)	German for Beginners 1 - Intensive Course March	3		X
G / Institute of foreign Language and Management (IFM)	German for Beginners 2 - Intensive Course March	3		X
G / Institute of foreign Language and Management (IFM)	German Beginners Level 1	2	X	X
G / Institute of foreign Language and Management (IFM)	German Beginners Level 2	3	X	X
G / Institute of foreign Language and Management (IFM)	German Beginners Level 3	5	X	X
G / Institute of foreign Language and Management (IFM)	German Beginners Level 4	5	X	X
G / Institute of foreign Language and Management (IFM)	German intermediate Level 1	5	X	X