



Courses for Non-Degree Exchange Students

taught in English in the School of Engineering

Offered in the Fall Semester (September 2025-February 2026)

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Undergraduate Courses (Bachelor Level)

Code	Level (Bachelor/Mast er)	Course Title	Contact hours / week	Offered Winter/ Summer	ECTS Credits	Type of assessment	Graded/ ungraded	Lecturer
	Bachelor	IPE Project Leadership	2	Every Semester	2	Written exam	Graded	Brune
	Bachelor	IPE Project Planning	2	Every Semester	3	Writtem exam	Graded	Brune
610030	Bachelor	IPE Accounting	2	Every Semester	3	Oral exam 15 min	Graded	Brüsch
610040	Bachelor	IPE Project Budgeting and Controlling	5	Every Semester	7	Written exam 2h & Testat	Graded	Brüsch
610430	Bachelor	IPE Finance and Investment	2	Every Semester	3	Oral exam 15 min	Graded	Brüsch
610060	Bachelor	IPE Supply Chain Management	2	Every Semester	3	Project Work	Graded	Brüsch
610440	Bachelor	IPE Plant Engineering	3	Every Semester	5	Written exam	Graded	Samlan d



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	IPE Project Management Certification	2	Every Semester	3	Written exam 1h	Graded	Lehman n
Bachelor	IPE Intercultural Communication	4	Every Semester	5	Written seminar paper, group film	Graded	Reich
Bachelor	IPE Scientific Approaches and Methods	2	Every Semester	3	Continuous Assessment (CA)	Graded	Casellat o
Bachelor	IPE Smart Systems	5	Every Semester	7	Project Work (PA)	Graded	Notholt, Wachter
		or Smart Syst	tems. Students wi	ll be notifie	ed shortly before the st	art of the s	emester if
Bachelor	IPE Business Transformation	2	Every Semester	3	Written exam, case studies	Graded	Sattler
Bachelor	IPE Strategic Leadership	6	Every Semester	7	Written exam	Graded	Reich, Churchil I
Bachelor	IPE Information Management	2	Every Semester	3	Oral exam 15 min	Graded	Brüsch
Bachelor	IPE Marketing Project	4	Every Semester	5	Project Work	Graded	Reich
Bachelor	IPE Management Simulation	2	Every Semester	3	Online Test	Graded	Reich
_	_		ve course which is	held after	the exams period.		
		1					
	Methodology		Semester				Ritter
Bachelor	MBB Applied Acoustics	2	Winter Semester	3	Written exam, Group project, Presentation	Graded	Pitsch
Bachelor	MBB Finite Element Method	3	Every Semester	3	Group project, presentation	Graded	Peter
ite Element Me	thod will only be offere	ed in English	if the course is de	manded by	y minimum 3 internati	onal studen	ts.
Bachelor	MBB Data Science	2	Every Semester	3	Continuous Assessment	Graded	Priwitzei
ta Science will o	only be offered in Englis	sh if the cour	se is demanded b	y minimum	n 3 international stude	nts.	
Bachelor	MBM Heat Transfer	4	Every Semester	6	Written exam	Graded	Thomas
	Bachelor Bachelor	CertificationBachelorIPE Intercultural CommunicationBachelorIPE Scientific Approaches and MethodsBachelorIPE Smart Systemsmited number of seats are available for e been accepted.IPE Business TransformationBachelorIPE Business TransformationBachelorIPE Strategic LeadershipBachelorIPE Information ManagementBachelorIPE Information ManagementBachelorIPE Marketing ProjectBachelorIPE Marketing ProjectBachelorIPE Management SimulationManagement Simulation is designed MethodologyBachelorMBB Design MethodologyBachelorMBB Applied AcousticsBachelorMBB Applied MethodologyBachelorMBB Applied AcousticsBachelorMBB Finite Element MethodBachelorMBB Finite Study ProgramBachelorMBB Finite Element MethodBachelorMBB Data Science	CertificationBachelorIPE Intercultural Communication4BachelorIPE Scientific Approaches and Methods2BachelorIPE Smart Systems5mited number of seats are available for Smart Systems5BachelorIPE Business Transformation2BachelorIPE Business Transformation2BachelorIPE Strategic Leadership6BachelorIPE Information Management2BachelorIPE Information Management2BachelorIPE Marketing Project4BachelorIPE Management Simulation2BachelorIPE Management Simulation2BachelorIPE Management Simulation2BachelorMBB Design Methodology2BachelorMBB Design Methodology2BachelorMBB Finite Element Method3BachelorMBB Finite Element Method3BachelorMBB Finite Element Method2BachelorMBB Data Science2	CertificationImage: CertificationEvery SemesterBachelorIPE Intercultural Communication4Every SemesterBachelorIPE Scientific Approaches and Methods2Every SemesterBachelorIPE Smart Systems5Every Semestermited number of seats are available for Smart Systems.Students wite semesterBachelorIPE Business Transformation2Every SemesterBachelorIPE Business Transformation2Every SemesterBachelorIPE Information Management2Every SemesterBachelorIPE Information Management2Every SemesterBachelorIPE Marketing Project4Every SemesterBachelorIPE Marketing Project2Every SemesterBachelorIPE Management Simulation2Every SemesterBachelorIPE Management Simulation2Every SemesterManagement Simulation is designed are intensive curse which is semesterEvery SemesterMathodology2Every SemesterBachelorMBB Applied Acoustics2Every SemesterBachelorMBB Applied Acoustics3Every SemesterBachelorMBB Finite Element Method3Every SemesterBachelorMBB Data Science2Every SemesterBachelorMBB Data Science2Every Semester	CertificationImage:	CertificationImage: CertificationCertificationCertificationSemister<	CertificationImage: CertificationCertificationCertificationCertificationCertificationCertificationCertificationCertificationCertificationCertificationCertificationCertificationCertificationContinuousCertificationGradedBachelorIPE Scientific Approaches and Methods2Every Semester3Continuous Assessment (CA)GradedBachelorIPE Smart Systems5Every Semester7Project Work (PA)GradedBachelorIPE Smart Systems5Every Semester3Written exam, case studiesGradedBachelorIPE Business Transformation2Every Semester3Written exam, case studiesGradedBachelorIPE Strategic Leadership6Every Semester3Oral exam 15 minGradedBachelorIPE Information Management2Every Semester3Oral exam 15 minGradedBachelorIPE Marketing Project4Every Semester3Online TestGradedBachelorIPE Management Simulation2Every Semester3AssignmentsGradedBachelorIPE Marketing Project2Every Semester3Online TestGradedBachelorIPE Marketing Simulation2Every Semester3AssignmentsGradedBachelorMBB Design Accustics2Every Semester3Assignments





Mecha	tronics Study	/ Programme						
610250	Bachelor	MEB Electrical Drives Lecture & Lab	3	Every Semester	4	Written exam	Graded	Schuller us
610260	Bachelor	MEB Interactive Robots in Motion	2	Every Semester	3	Presentation, documentation	Graded	Rätsch
610270	Bachelor	MEB Power Electronics Laboratory	2	Every Semester	3	Lab report	Ungrade d	Ulrich
610280	Bachelor	MEB Semiconductor Devices	6	Every Semester	5	Oral exam 20min	Graded	Sönmez
610290	Bachelor	MEB PLC Control Systems	2	Every Semester	3	Written exam	Graded	Zenner
610300	Bachelor	MEB PLC Control Systems Laboratory	2	Every Semester	2	Lab report	Ungrade d	Zenner
610310	Bachelor	MEB Communication Systems	2	Every Semester	3	Written exam	Graded	Zenner
610320	Bachelor	MEB Communication Systems Laboratory	1	Every Semester	1	Lab report	Ungrade d	Zenner



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Postgraduate Courses (Master Level)

Code	Level (Bachelor/Ma ster)	Course Title	Contact hours / week	Offered Winter/ Summer	ECTS Credits	Type of assessment	Graded/ ungraded	Lecturer
650140	Master	MBM Applied Mathematics	4	Every Semester	6	problem sheets + Written exam	Graded	Priwitzer Peter
650040	Master	MBM Numerical Structural Mechanics	6	Every Semester	7	Written exam, assignment, presentations	Graded	Lauxmar n
		l Mechanics will only	be offered in	English if the co	urse is demar	nded by minimum	3 internationa	al students.
	ronics Study Pi		1					-
650050	Master	MEM Renewable Energies	2	Every Semester	3	Exam, Presentation, seminar paper	Graded	Notholt
650070	Master	MEM Human Robot Collaboration Introduction	2	Every Semester	3	Report, final presentation, documentatio n	Graded	Rätsch
650080	Master	MEM Human Robot Collaboration– Applications	2	Every Semester	3	Report, final presentation, documentatio n	Graded	Rätsch
650090	Master	MEM Machine Vision and Artificial Intelligence	5	Every Semester	6	Report, final presentation, documentatio n, oral exam	Graded	Rätsch
Note: ME	M Machine Visio	n and Artificial Intelli	gence is offer	ed only for stude	nts with adv	anced knowledge i	in this field of	study.
650100	Master	MEM Control Systems Laboratory	2	Every Semester	2	Lab report	Ungraded	Zenner
650110	Master	MEM EMC and Signal Integrity Lecture	2	Every Semester	3	Written exam	Graded	Pouhè
Note: EN	IC and Signal Inte	grity will be only offe	ered in English	if demanded by	minimum 5 i	nternational stude	ents	
650120	Master	MEM EMC and Signal Integrity Laboratory	2	Every Semester	3	Lab report	Ungraded	Pouhè
Note: EN Distribu	IC and Signal Inte	grity Laboratory canr	not be chosen	separately from	EMC and Sig	nal Integrity Lectur	re.	1





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650130	Master	DEE	2	Every	3	Written exam,	Graded	Coll-
		Distributed		Semester		project,		Mayor
		Economy in the				presentation		
		Energy Sector						

Interdisciplinary Courses

Code	Level (Bachelor/Ma ster)	Course Title	Contact hours / week	Offered Winter/ Summer	ECTS Credits	Type of assessment	Graded/ ungraded	Lecturer
610330	Bachelor/ Master	Career Management	2	On demand/ Every semester	2	Presentation	Ungraded	Nebeling
	reer Managemen held after the exa	t takes place if dem ms period.	anded by a min	imum of 10 stude	nts. The co	urse is designed a	s an intensive o	course

Project Opportunities for Undergraduate, Postgraduate and PhD Students

Please note: Project positions will be offered on demand for a limited number of students if a professor agrees to act as project supervisor.

Code	Level (Bachelor/ Master)	Course Title	Hours per week / total hours of study	Offered Winter/ Summer	ECTS Credits	Type of assessment	Graded/ ungrade d	Lecturer
610340	Bachelor/ Master	Semester Engineering Project	10/ 180	Every Semester	6	Documentation of work, report	Graded	Various
610350	Bachelor/ Master	Semester Engineering Project	12/ 240	Every Semester	8	Documentation of work, report	Graded	Various
610360	Bachelor/ Master	Semester Engineering Project	15/ 300	Every Semester	10	Documentation of work, report	Graded	Various
610370	Bachelor/ Master	Semester Engineering Project	20/ 450	Every Semester	15	Documentation of work, report	Graded	Various
610380	Bachelor/ Master	Semester Engineering Project	40/ 900	Every Semester	30	Documentation of work, report	Graded	Various