

Courses for Non-Degree Exchange Students  
taught in English in the School of Engineering  
Offered in the Spring Semester (March 2026 - July 2026)

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## Undergraduate Courses (Bachelor Level)

Industrial Engineering “International Project Engineering” Study Programme								
Code	Level (Bachelor/Master)	Course Title	Contact hours / week	Offered Winter/ Summer	ECTS Credits	Type of assessment	Graded/ ungraded	Lecturer
610010	Bachelor	WIP Project Leadership	2	Every Semester	2	Written exam	Graded	Brune
610510	Bachelor	WIP Project Planning	2	Every Semester	3	Written exam	Graded	Brune
610030	Bachelor	WIP Accounting	2	Every Semester	3	Oral exam 15 min	Graded	Brüsch
610520	Bachelor	WIP Project Budgeting and Controlling	5	Every Semester	7	Written exam 2h & Testat	Graded	Brüsch
<b>Note: self-study using EduScrum is part of the course.</b>								
610430	Bachelor	WIP Finance and Investment	2	Every Semester	3	Oral exam 15 min	Graded	Brüsch
610060	Bachelor	WIP Supply Chain Management	2	Every Semester	3	Project Work	Graded	Brüsch
610440	Bachelor	WIP Plant Engineering	3	Every Semester	5	Written exam	Graded	Samland

610080	Bachelor	WIP Project Management Certification	2	Every Semester	3	Written exam 1h	Graded	Lehman n
610100	Bachelor	WIP Intercultural Communication	4	Every Semester	5	Written seminar paper, group film	Graded	Reich
610450	Bachelor	WIP Scientific Approaches and Methods	2	Every Semester	3	Continuous Assessment (CA)	Graded	Casellat o
610460	Bachelor	WIP Smart Systems	5	Every Semester	7	Project Work (PA)	Graded	Notholt, Wachter
610500	Bachelor	WIP Business Transformation	2	Every Semester	3	Written exam, case studies	Graded	Sattler
610550	Bachelor	WIP Strategic Management	4	Every Semester	5	Written exam, project assignment	Graded	Reich
610560	Bachelor	WIP Human Resource Management	2	Every Semester	2	Written exam, project assignment	Graded	Churchil l
610170	Bachelor	WIP Information Management	2	Every Semester	3	Oral exam 15 min	Graded	Brüsch
610180	Bachelor	WIP Marketing Project	4	Every Semester	5	Project Work	Graded	Reich
610190	Bachelor	WIP Management Simulation	2	Every Semester	3	Online Test	Graded	Reich

Note: IPE Management Simulation is designed as an intensive course which is held after the exams period.

### Mechanical Engineering Study Programme

610210	Bachelor	MBB Design Methodology	2	Every Semester	3	Assignments	Graded	Ritter
610230	Bachelor	MBB Applied Acoustics	2	Winter Semester	3	Written exam, Group project, Presentation	Graded	Pitsch
610200	Bachelor	MBB Finite Element Method	3	Every Semester	3	Group project, presentation	Graded	Peter

Note: Finite Element Method will only be offered in English if the course is demanded by minimum 3 international students.

610220	Bachelor	MBB Data Science	2	Every Semester	3	Continuous Assessment	Graded	Priwitzer
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Note: Data Science will only be offered in English if the course is demanded by minimum 3 international students.

610240	Bachelor	MBM Heat Transfer	4	Every Semester	6	Written exam	Graded	Thomas
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Note: Heat Transfer is offered with reservation. Open for exchange students only after consultation with the International Coordinator (Nadja Lobensteiner).

Mechatronics 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	Ungraded	Ulrich
610280	Bachelor	MEB Semiconductor Devices	6	Every Semester	5	Oral exam 20min	Graded	Sönmez
610530	Bachelor	MEB Control Engineering lecture + Laboratory	4	Every Semester	6	Written exam, 2h, Lab report	Graded	Notholt
610540	Bachelor	Power Electronics 2	2	Every Semester	3	Oral exam 20min	Graded	Ulrich

## Postgraduate Courses (Master Level)

Mechanical Engineering Study Programme								
Code	Level (Bachelor/Master)	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	Lauxman
<p>Note: Numerical Structural Mechanics will only be offered in English if the course is demanded by minimum 3 international students.</p>								
Mechatronics Study Programme								
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, documentation	Graded	Rätsch
650080	Master	MEM Human Robot Collaboration– Applications	2	Every Semester	3	Report, final presentation, documentation	Graded	Rätsch
650090	Master	MEM Machine Vision and Artificial Intelligence	5	Every Semester	6	Report, final presentation, documentation, oral exam	Graded	Rätsch
<p>Note: MEM Machine Vision and Artificial Intelligence is offered only for students with advanced knowledge in this field of study.</p>								
650110	Master	MEM EMC and Signal Integrity Lecture	2	Every Semester	3	Written exam	Graded	Pouhè
<p>Note: EMC and Signal Integrity will be only offered in English if demanded by minimum 5 international students</p>								
650120	Master	MEM EMC and Signal Integrity Laboratory	2	Every Semester	3	Lab report	Ungraded	Pouhè
<p>Note: EMC and Signal Integrity Laboratory cannot be chosen separately from EMC and Signal Integrity Lecture.</p>								
650150	Master	MEM Software-System Architecture	2	Every Semester	3	Oral exam	Graded	Weiland
<p>Note: Software-System Architecture is offered only for students with knowledge in object-oriented programming</p>								

### Distributed Energy Systems and Energy Efficiency Study Programme

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

Code	Level (Bachelor/Master)	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

**Note: Career Management takes place if demanded by a minimum of 10 students. The course is designed as an intensive course which is held after the exams period.**

### 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/ungraded	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