Courses offered in the 2026 summer semester in engineering sciences

Stand 16.03.2026

Courses takes place
Courses doesn´t take place
still unclear, further information to follow

Categories of courses

1. **On-Site-format:** The contents relevant to examinations are taught exclusively on site. In addition to organisational information, lecture recordings, additional materials for interested students and exercise materials can be made available on Moodle. The teaching of practical methods and techniques can be part of the teaching format. You must ensure that you can participate in the course on site.

2. **Combi-forma**t: The exam-relevant content is taught on-site and online. Teachers can post exam-relevant online learning materials on Moodle. The teaching of practical methods and techniques may be part of the teaching format. You must ensure that you can participate in the course on site.

3. **Hybrid-format:** The contents relevant to the examination are taught equally well both on-site and online. As a student, you have the choice between on-site or online participation. The lecturers can post examrelevant online learning materials on Moodle. This teaching format does not usually teach practical methods and techniques. The lecturers decide whether people can switch between online and on-site participation during the semester.

4. **Online-format:** The contents relevant to the examination are taught exclusively online. The lecturers can post exam-relevant online learning materials on Moodle. As a rule, no practical methods and techniques are taught in this teaching format. On-site participation is not required.

I) Master Biomedical Engineering (BMT)

Lectures	*Lecturer*	*CP*	*Language*	*Format*
Core Modules Engineering Sciences (ING)				
Automatisierungstechnik	Prof. Deutscher	6	German	On-Site
Bio-inspirierte Sensorik für Implantate und autonome (kognitive) Systeme	Prof. Lenk	6	German	On-Site
Digital Communications	Prof. Fischer	7	English	On-Site
Integrated Analog Circuits	Prof. Ortmanns	6	German/English	On-Site
Learning Systems I: Introduction to Machine Learning	Prof. Braun	6	English	On-Site
Sicherheit in IT-Systemen	Prof. Kargl	6	German/English	On-Site
Core Modules Biomedical Engineering (BMT)				
Biosensoren	Prof. Lenk	6	German/English	On-Site
Neurotechnology: Brain-Machine-Interfacing	Prof. Braun	6	English	On-Site
Core Modules Health Sciences (HEALTH)				
Hormonphysiologie	Prof. Tuckermann	3	German	On-Site
Störungs- und Verfahrenslehre im Nebenfach	Prof. Kollossa	4	German	On-Site
Pharmakologie und Toxikologie I	Prof. Papatheodorou	3	German	On-Site
Seminars				
Seminar Research Trend in Biomedical Sensors & Systems	Prof. Lenk	5	German/English	On-Site
Seminar Research Trends in Biomedical Signals, Data & Algorit	Prof. Karlen	5	German/English	On-Site
Practical Modules				
Project Biomedical Sensors and Systems	Prof. Karlen	10	German/English	On-Site
Project Biomedical Signals, Data & Algorithms	Prof. Karlen	10	German/English	On-Site
Specialisation Modules				
Active Optoelectronic Devices	Prof. Michalzik	6	English	On-Site
Advanced Methods in Data Mining and Machine Learning	Prof. Scherp	6	English	On-Site
Angewandte Biomechanik und Orthopädische Forschung	PD Dr. Liebsch	5	German	On-Site
Bioelectronics	Prof. Ortmanns	6	German/English	On-Site
Biophotonics	Prof. Kienle	6	German	On-Site

Dependable Embedded Systems	Prof. Glaß	6	English	On-Site
Echtzeitsysteme in Robotik und Regelungstechnik	Prof. Slomka?	6	German	On-Site
Einführung in die Mirko- und Nanotechnologien	Prof. Lenk	5	German	On-Site
Gene Expression	Prof. Michaelis	3	English	On-Site
Integrated High-Frequency Circuits	Prof. Kissinger	6	English	On-Site
Integrated Interface Circuits	Prof. Ortmanns	6	English	On-Site
Machine Learning & Security	Prof. Kargl	6	English	On-Site
Material Science II	Prof. Herr	5	English	On-Site
Spezifikation eingebetteter Systeme	Prof. Glaß	6	German	On-Site