Only the german version of the module description as part of the study regulations is legally binding.

Module name	**Software technology project**
Module number	INF-25-Ba-SWTP
Responsible lecturer	Prof. Dr. Uwe Aßmann uwe.assmann@tu-dresden.de
Qualification objec-Tives	Students have practical engineering skills in the implementation of team-oriented, work-sharing software projects. Students are able to analyze the requirements of a customer in collaboration with and to design, implement and test a software system and have it accepted by the customer. hnehmen.
Content	The content of the module is the implementation of a team-oriented software development process that records and processes customer requirements. This includes the application to be realized for the customer , the creation of a requirements specification, a software design and small prototypes for familiarization with the frameworks or technologies to be used, as well as implementation ment and documentation. Further content includes quality assurance, such as the creation of a test suite and the evaluation of software analyses, project management activities, such as group meetings and their recording, customer meetings, recording working hours, reflection and controlling of the project status at well-defined milestones and a final presentation to the customer customer.
Teaching and learning methods	The module comprises practical courses of 4 SWS and self-study. The language of instruction for the practicals is German.
Prerequisites for par-ticipation	The Diploma degree course in Computer Science, the Bachelor's degree course in Computer Science and the Bachelor's degree course in Applied Computer Science require the skills acquired in the modules INF-25-Ba-Prg Programming and RoboLab and INF-25-Ba-SWT Softwaretec hnology. These include, in particular, methods for developing large software systems, object orientation, the use of a modeling language such as the Unified Modeling Language (UML) in analysis, design and implementation as well as programming in an object-oriented programming language such as Java.
Applicability	The module is a compulsory module in the Diploma degree program in Computer Science. The module is a compulsory module in the Bachelor's degree course in Computer Science and in the Bachelor's degree course in Applied Computer Science. The module creates the prerequisites for the modules that name it among the prerequisites for participation .
Requirements for earning credit points	The credit points are earned if the module examination is passed. The module examination consists of an ungraded complex course of 100 hours. The examination language is German.
Credit points and grades	6 credit points can be acquired through the module. The module examination is assessed as "passed " or "failed".

Module frequency	The module is offered every winter semester.
Workload	The total workload is 180 hours.
Module duration	The module comprises one semester.