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

Module name	**Software technology Lab**
Module number	INF-25-Ba-P-ST
Senior Lecturer	Prof. Dr. Uwe Aßmann uwe.assmann@tu-dresden.de
Qualification objectives	Students are able to structure and scientifically manage the creation of a complex software system. They understand the basic principles of the software architecture and the software development process. They are familiar with testing and documentation procedures in practice and can assess and apply them.
Contents	The content of the module is the requirements analysis for a complex software system, the rough and fine design of its architecture, its implementation using models, and the production of its automated test suites and documentation.
Forms of teaching and learning	The module includes 4 SWS traineeships and self-study. The teaching language of the traineeships can be German or English and is specifically determined by the teacher at the beginning of each semester and announced in the usual way.
Eligibility for participation	The computer science bachelor's programme requires the skills to be acquired in the modules INF-25-Ba-Prg Programming and RoboLab, INF-25-Ba-RN Computer Networks, INF-25-Ba-SWT Software Technology, INF-25-Ba-DMF Data Management Foundations and INF-25-Ba-KI Artificial Intelligence.
Usability	In the Bachelor's Informatics course, the module is a compulsory voting module for the Bachelor's Traineeship, to be selected in accordance with the annex to the exam rules. The module will create the conditions for the modules that it will be able to use under the conditions of participation.
Conditions for the award of credits	Credits are awarded when the module test is passed. The module test consists of a complex performance of 80 hours. The language of the exam will be German or English, at the student's choice.
Credits and marks	The module allows 6 credit points to be obtained. The module score corresponds to the test performance score.
Frequency of the module	The module is offered every semester.
Workload	The total workload is 180 hours.
Duration of the module	The module includes a semester.