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

Module name	**Modeling Cyber-Physical Systems Mini Lab**
Module number	INF-25-Ba-P-CPSM
Responsible lecturer	Prof. Dr. Christoph Sommer christoph.sommer@tu-dresden.de
Qualification objec-Tives	Under supervision, students are able to work on simple questions from the field of cyber-physical systems in a structured and scientific manner.
Content	Contents of the module are the practical development of results of simple, interrelated projects from the field of cyber-physical systems and their processing.
Teaching and learning methods	The module comprises practical courses of 4 SWS and independent study. The language of instruction for the practicals can be German or English and is determined by the lecturer at the beginning of each semester and announced in the usual manner.
Prerequisites for par-ticipation	The Bachelor's degree program in Computer Science requires the skills 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.
Applicability	In the Bachelor's degree program in Computer Science, the module is a compulsory elective module of the Bachelor's internship, which must be selected in accordance with the annex to the examination regulations g. The module creates the prerequisites for the modules listed under prerequisites for participation.
Requirements for earning credit points	The credit points are earned if the module examination is passed. The module examination consists of a complex course of 80 hours. The examination language may be German or English and will be specified by the lecturer at the beginning of each semester and announced in the usual manner.
Credit points and grades	6 credit points can be earned through the module. The module grade corresponds to the grade of the examination.
Module frequency	The module is offered every semester.
Workload	The total workload is 180 hours.
Module duration	The module comprises one semester.