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

Module name	**Cyber Physical Systems Modeling Lab**
Module number	INF-25-Ma-FCP-CPSM.Lab1
Responsible lecturer	Prof. Dr. Christoph Sommer christoph.sommer@tu-dresden.de
Qualification objec-Tives	Students are able to work on simple research-related questions from the field of Cyber Physical Systems in a structured and scientific manner under supervision.
Content	The content of the module is the practical development of results from simple, coherent, research-related projects in the field of Cyber Physical Systems and their processing.
Teaching and learning methods	The module comprises practicals of 4 SWS and independent study. The teaching language of the practicals can be German or English and will be specified by the lecturer at the beginning of each semester and announced in the usual manner.
Prerequisites for par-ticipation	In the Diploma degree program in Computer Science, the competencies 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, INF-25-Ba- SWTP Software Technology Project and INF-25-Ba-KI Artificial Intelligence are required. The Master's degree course in Computer Science requires skills in object-oriented programming at Bachelor's level.
Applicability	The module is a compulsory elective module in the main course of the Diplom degree program in Computer Science in the subject area of Cyber Physical Systems, which is to be selected in accordance with ßgabe der Anlage 2 zur Prüfungsordnung. In the Master's degree program in Computer Science, the module is a compulsory elective module in the open track in the subject area of Cyber Physical Systems and the supplement, which must be selected in accordance with Annex 2 to the examination regulations n. The module can only be chosen once in the Master's degree program in Computer Science. The module cannot be selected in the Master's degree program in Compute r Science if this module or a module with essentially the same content from a degree program with which the admission requirements according to § 3 of the study regulations have already been fulfilled sitions have already been completed. The module fulfills the prerequisites for the modules listed at 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	6 credit points can be earned through the module. The module grade

grades	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.