

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

Module name	Cyber Physical Systems Modeling Lab Advanced
Module number	INF-25-Ma-FCP-CPSM.Lab2
Responsible lecturer	Prof. Dr. Christoph Sommer christoph.sommer@tu-dresden.de
Qualification objectives	Students are able to work on research-related issues in 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 the results of advanced, interrelated, research-related projects in the field of Cyber Physical Systems and their preparation <i>erbereitung</i> .
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 will be specified by the lecturer at the beginning of each semester and announced in the usual manner.
Prerequisites for participation	The competencies to be acquired in the INF-25-Ma-FCP-CPSM.Lab1 Cyber Physical Systems Modeling Lab module are a prerequisite for the Computer Science diploma course. In the Master's degree program in Computer Science, competences <i>etences</i> in the processing of simple research-related projects at Bachelor's level are required.
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 <i>ßgabe der Anlage 2 zur Prüfungsordnung</i> . 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 <i>n</i> . 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 course in Computer Science if this module or a module with essentially the same content from a degree course in which the admission requirements in accordance with Section 3 of the study regulations have already been fulfilled. <i>sitions in accordance with Section 3 of the study regulations have already been fulfilled</i> . 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 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.