

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

Module name	Cooperative Mobile Systems
Module number	INF-25-Ma-FCP-CMS
Responsible lecturer	Prof. Dr. Christoph Sommer christoph.sommer@tu-dresden.de
Qualification objectives	Students are familiar with concepts and specific designs of cooperative highly mobile systems. They are able to design such systems and evaluate their performance.
Content	Contents of the module are concepts, concrete designs and methods for the evaluation of cooperative highly mobile systems.
Teaching and learning methods	The module comprises lectures of n 2 SWS, exercises of 2 SWS and self-study. The teaching language of the lectures and d exercises may 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	In the Diploma degree course in Computer Science, the skills to be acquired in the modules INF-25-Ba-Prg Programming and RoboL ab, 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 a prerequisite. 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 Diploma degree program in Computer Science in the main study m in the subject area of Cyber Physical Systems, which must be selected in accordance with Annex 2 to the examination regulations. In the Master's degree program in Computer Science, the module dul 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, and in the Distributed Systems Engineering Track, which must be selected in accordance with h Annex 3 to the examination regulations. The module can only be selected once in the Master's degree program in Computer Science . The module cannot be selected in the Master's degree program in Computer Science if this module or a module with essentially the same content has already been completed from a degree program in which the admission requirements according to Section 3 of the study regulations have been fulfilled. The module fulfills the prerequisites for the modules listed under prerequisites for participation.
Requirements for earning credit points	The credit points are earned if the M odule examination is passed. The module examination consists of a non-public oral examination ng as an individual examination lasting 20 minutes. The examination language may be German or English and will be determined 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 summer semester at .
Workload	The total workload is 18 0 hours.
Module duration	The module comprises one semester mester.