

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

Module name	Human-Computer Interaction Lab
Module number	INF-25-Ba-P-HCI
Responsible lecturer	Prof. Dr. Gerhard Weber gerhard.weber@tu-dresden.de
Qualification objectives	Students master task analysis, analysis of user requirements, can develop prototypes and apply evaluation methods to design, implement and evaluate user interfaces.
Content	Contents of the module are the development of own solutions for different interaction techniques such as graphical user interfaces for mobile devices, acoustic or tactile/haptic interaction, programming interfaces for pre-processing the input and output media as well as corresponding toolkits.
Teaching and learning methods	The module comprises practical courses of 4 SWS and self-study. The language of instruction for the practical courses is German.
Prerequisites for participation	The competencies to be acquired in the modules INF-25-Ba-MCI Fundamentals of Human-Computer Interaction, INF-25-Ba-Prg Programming and RoboLab and INF-25-Ba-SWT Software Technology, in particular project management and development, are assumed.
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 appendix to the examination regulations. In the Bachelor's degree program in Applied Computer Science, the module is a compulsory elective module in the specialization in Media Informatics and in the specialization in Medical Informatics, which must be selected in accordance with the appendix to the examination regulations. The module creates the prerequisites for the modules listed under prerequisites for participation.
Requirements for earning credit points	The credit points are earned when the module examination has been passed. The module examination consists of a complex performance of 80 hours. The examination language is German.
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 winter semester.
Workload	The total workload is 180 hours.
Module duration	The module comprises one semester.