

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

Module name	Key competencies
Module number	INF-25-Ba-SK
Responsible lecturer	Prof. Dr. Uwe Aßmann uwe.assmann@tu-dresden.de
Qualification objectives	Students are familiar with self-study techniques such as rational reading, rational questioning, listening, taking notes, clustering, structuring and group work. They know the steps for writing a scientific paper, such as literature search, outline and theses. They are proficient in organizing video conferences for group work as well as the basic elements of an agile self t and group management process, in particular sprints and backlogs support systems. They are able to plan and allocate the time for their self-study independently. They have the skills to produce written work, can reference literature and create glossaries and indices. They know the principles of presentation techniques and can explain their study results in a video.
Content	The module covers self-study techniques, the basics of writing a scientific paper, exam preparation, study planning and organization, personal goal and time agement, simple development environments such as Shell and Gitlab, initiative and entrepreneurship, and the use of scientific word processing programs such as LaTeX or LyX.
Teaching and learning methods	The module comprises lectures of 2 SWS, exercises of 2 SWS and the self bststudium. The language of instruction for the lectures and exercises is German.
Prerequisites for participation	No knowledge is required.
Applicability	The module is a compulsory module in the Diploma degree program in Computer Science in the foundation course. The module is a compulsory module in the Bachelor's degree course in Computer Science and in the Bachelor's degree course in Applied Computer Science. The module creates the prerequisites for the modules that name it 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 portfolio of 60 hours. The examination language is German.
Credit points and grades	5 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 academic year, starting in the winter semester.
Workload	The total workload is 150 hours.

Module duration	The module comprises two semesters.
Accompanying literature	Christine Stickel-Wolf, Joachim Wolf. Scientific work and learning techniques: Studying successfully - knowing how! Springer-Verlag.