

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

Module name	Psychology deepening
Module number	INF-MI-E-NVE-PSY
Responsible lecturer	Prof. Dr. Sebastian Pannasch sebastian.pannasch@tu-dresden.de
Qualification objectives	Students are familiar with the basic concepts and techniques of experimental planning and can outline the quality criteria for research work. They have the ability to independently select methods and can carry out independent research planning for answering typical research papers and present their results argumentatively. You will be able to describe the most important research and application areas of engineering psychology and present basic theories, research methods and practical intervention or solution strategies. Students are able to analyze, compare and evaluate the research objects using appropriate scientific methods and have the ability to reflect methodically.
contents	Contents of the module are experimental planning and sample planning as well as basic theories and methods of engineering psychology, such as the scientific-theoretical foundation of the experiment, methods of hypothesis formation, principles of experimental planning, types of experiments and associated experimental plans, selection and compilation of samples, interpretation and communication of test results, ethical duties and implications, perception and attention in the application, situation awareness as well as central questions of human-technology interaction such as automation, human errors, display design and social aspects.
Forms of teaching and learning	The module includes lectures in the scope of 4 SWS and self-study. The teaching language of the lectures is German.
Requirements for participation	The competencies to be acquired in the module INF-25-Ma-NGR-PSY Psychology Foundations are required.
usability	In the Master's programme in Media Informatics, the module is a compulsory elective module in the field of supplementary modules, which must be chosen in accordance with Section 27(3) of the Examination Regulations. The module cannot be selected in the Master's programme in Media Informatics if this or a substantially identical module from a course of study with which the admission requirements according to § 3 of the Study Regulations have been met has already been completed. The module creates the prerequisites for the modules, which it names under prerequisites for participation.
Conditions for awarding credits	The credit points are earned when the module examination has been passed. The module examination consists of an exam work of 180 minutes duration. The language of the exam is German.

Credits and grades	6 credit points can be earned through the module. The module grade corresponds to the grade of the examination performance.
Frequency of the module	The module is offered every summer semester.
workload	The total workload is 180 hours.
Duration of the module	The module covers one semester.