

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

Module name	Computational Laser Metrology Specialization - Scientific Methodology
Module number	INF-25-Ma-NSP-CLM-SEM
Responsible lecturer	Prof. Dr. Jürgen Czarske juergen.czarske@tu-dresden.de
Qualification objectives	Students are able to apply skills and abilities independently, individually and in a team to solve a task. They are proficient in documenting the work steps and can present and discuss the results.
Content	The module covers current topics and issues relating to computer-aided laser measurement systems in various fields of application as well as the methodology of scientific and project-based working methods.
Teaching and learning methods	The module comprises seminars of 2 SWS and self-study. The teaching language of the seminars 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	The competences to be acquired in the module INF-25-Ma-NVE-CLM Computational Laser Metrology Vertiefung are a prerequisite for the diploma program in Computer Science.
Applicability	The module is a compulsory module of the non-computer science supplement Computational Laser Metrology in the Diploma program in Computer Science. The module creates the prerequisites for the modules listed 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 130 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.