

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

Module name	Geoinformatics Specialization - Geoinformation Services
Module number	INF-25-Ma-NSP-GEO2
Responsible lecturer	Dr. Stephan Mäs stephan.maes@tu-dresden.de
Qualification objectives	Students are able to critically examine current research and developments in the field of geoinformation services and systems.
Content	The module covers the planning and implementation of software projects for the development of geoinformation services for various application scenarios in the field of geoinformatics, including environmental and transportation planning.
Teaching and learning methods	The module comprises seminars of 1 SWS, projects of 45 hours and self-study. The teaching language of the seminars and the projects 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 program in Computer Science, the competencies to be acquired in the modules INF-25-Ma-NGR-GEO Geoinformatics Basic I and INF-25-Ma-NVE-GEO Geoinformatics Advanced are required, in particular knowledge of geodata structures, geodatabases, analysis of geoobjects, geoinformation systems, software modeling and design, programming and geodata infrastructures.
Applicability	The module is a compulsory module of the non-computer science supplement Geoinformatics in the Diploma degree course in Computer Science in the main study program. The module creates the prerequisites for the modules that name it under prerequisites. Zungen für die Teilnahme.
Requirements for earning credit points	The credit points are earned if the module examination is passed. The module examination consists of an ungraded complex course of 100 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	The module can earn 6 credit points. The module examination is assessed as "passed" or "failed".
Module frequency	The module is offered every winter semester.
Workload	The total workload is 180 hours.
Module duration	The module comprises one semester.