

Module Name	Automobile Engineering - Components and Subsystems
Module Number	Eul-MT-E-A01G1
Responsible Lecturer	Prof. Dr.-Ing. Günter Prokop guenther.prokop@tu-dresden.de
Qualification Objectives	After completing the module, students are familiar with the individual functions of the components and subsystems of vehicles.
Contents	The module covers the structure, design, and functionality of the components and subsystems of vehicles. Topics include the requirements, functionality, and design of the components and subsystems in vehicles. Additionally, expert lectures from the industry are integrated.
Teaching and Learning Forms	2 hours per week of lectures, 2 hours per week of exercises, and self-study.
Prerequisites for Participation	The competencies to be acquired in the modules Materials, Technical Mechanics, Numerical Methods, System Dynamics of Mechanical Structures, Measurement Technology, and Basics of Electrical Engineering are required.
Usability	The module is an elective module from the elective area "Methods and Applications" according to § 6 paragraph 3 SO and § 33 paragraph 3 PO of the main study program in the diploma program Mechatronics. It creates the prerequisites for the modules that list this module in the field "Prerequisites for Participation."
Prerequisites for the Award of Credit Points	Credit points are awarded when the module examination is passed. The module examination consists of a written exam lasting 120 minutes.
Credit Points and Grades	5 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 winter semester.
Workload	The total workload is 150 hours.
Duration of the Module	The module lasts one semester.