

Module name	Electrical Engineering Lab
Module number	Eul-ET-C-PraET, Eul-IST-C-PraET, Eul-MT-C-PraET
Lecturer in charge	Prof. Dr. phil. nat. habil. Ronald Tetzlaff ronald.tetzlaff@tu-dresden.de
Objectives	After completing the module, students are familiar with the use of electronic measuring devices. They have extensive skills and experience in setting up and carrying out experiments, evaluating and presenting test and measurement results, assessing measurement methods and measurement uncertainties and writing protocols.
Contents	The module covers measurements on electronic circuits, including computer-controlled measurement technology.
Modes of teaching and learning	3 hours per week practical lab courses and and self-study.
Prerequisites	The skills to be acquired in the modules Basics of Electrical Engineering, Introduction to Analysis and Algebra, Calculus for Functions with Several Variables and Electric and Magnetic Fields are required.
Usability	The module is a compulsory module in the basic studies of the degree programmes Electrical Engineering, Information Systems Engineering and Mechatronics. It creates the prerequisites for the modules that list that module in the "Prerequisites" field.
Requirements for the award of credit points	The credit points are awarded when the module assessment is passed. The module assessment consists of a complex assignment of 33 hours.
Credit points and grades	3 credit points can be obtained by the module. The module grade is the grade of the examination.
Frequency	The module is offered every academic year beginning in the winter semester.
Workload	The total effort is 90 hours.
Duration	The module takes two semesters.