

Module name	Partial Differential Equations and Probability Theory
Module number	Eul-ET-C-Ma4, Eul-BMT-C-Ma4, Eul-IST-C-Ma4, Eul-MT-C-Ma4, Eul-RES-C-Ma4
Lecturer in charge	Prof. PD Dr. Sebastian Franz sebastian.franz@tu-dresden.de
Objectives	After completing the module, students will have knowledge of special analytical methods for solving partial differential equations and probability theory.
Contents	The module focuses on partial differential equations and probability theory.
Modes of teaching and learning	4 hours per week lectures, 4 hours per week exercises and self-study.
Prerequisites	The skills to be acquired in the module Complex Function Theory are required.
Usability	The module is a compulsory module in the basic studies of the degree programmes Electrical Engineering, Biomedical Engineering, Information Systems Engineering, Mechatronics and Renewable Energy Systems. 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 written exam of 120 minutes.
Credit points and grades	5 credit points can be obtained by the module. The module grade is the grade of the examination.
Frequency	The module is offered every summer semester.
Workload	The total effort is 150 hours.
Duration	The module takes one semester.