

Module name	Biomedical Engineering in a Clinical Context
Module number	EuI-BMT-C-BMTKE
Lecturer in charge	PD Dr. rer. medic. habil. Julia Walther julia.walther@tu-dresden.de
Objectives	After completing the module, students will have knowledge of the use of medical technology procedures in routine clinical practice. They are familiar with the organizational principles and processes involved in the treatment of selected diseases and can design the organizational processes in a clinic.
Contents	The content of the module is medical technology in clinical application, in particular the overview of procedures and processes in clinical routine in various medical disciplines, quality assurance and organization of the healthcare system.
Modes of teaching and learning	3 hours per week lectures, 1 hour per week seminars and self-study.
Prerequisites	The skills to be acquired in the modules Fundamentals of Biomedical Engineering and Practical Basics of Biomedical Engineering are required.
Usability	The module is a compulsory module in the basic studies of the degree programme Biomedical Engineering. 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 60 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 winter semester.
Workload	The total effort is 150 hours.
Duration	The module takes one semester.