

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

Module number	Module name	Responsible lecturer or responsible lecturer
INF-DSE-20-E-IWA	Internet and Web Applications	Chair of Distributed and Networked Systems netd-teaching@tu-dresden.de
Qualification objectives	Upon successful completion of this module, participants will be familiar with the current state of the art in the field of Internet services and web applications, including the technologies underlying these systems. They are able to analyze or reconstruct Internet services and web applications with regard to their technological composition and can independently design rough concepts for such software systems.	
contents	The module contains principles and functions of widely used and up-to-date technologies of the application level on the Internet. This includes the fundamentals of protocols and interaction mechanisms used on the World Wide Web and their most common uses. In addition, the module includes systems beyond the World Wide Web, such as file sharing applications or content distribution networks, and approaches to multimedia communication such as Internet telephony alongside chat systems.	
Forms of teaching and learning	The module includes lectures in the scope of 2 SWS and exercises in the scope of 2 SWS as well as self-study.	
Requirements for participation	Knowledge and skills about the basics of computer networks and distributed systems at bachelor level are required.	
usability	The module is a compulsory elective module of specialisation in the Master's programme Distributed Systems Engineering.	
Conditions for awarding credits	The credit points are earned when the module examination has been passed. The module exam consists of a 90-minute exam.	
Credits and grades	6 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 summer semester.	
workload	The workload is 180 hours.	
Duration of the module	The module covers one semester.	