



Course number:
14MSI55010
14MSI 55011
Security Management
(Security of Software and Systems
/ IT Security)
Study Level: Master / Graduate
Fall semester only

Prof. Dr. Hanno Langweg
Language of instruction: English
ECTS Credits: 5

After successful completion of the course, students will have a solid foundation in core concepts of IT security. They possess advanced knowledge which widespread vulnerabilities and attack methods exist against IT systems. Students will have thorough knowledge about theory and methods of IT security management, access control, as well as identification and authentication. They can choose, apply, and assess appropriate methods to analyse security architectures, vulnerabilities and possible attacks. Students are able to critically approach literature in the field and to structure the knowledge gained from their studies. Students can plan, execute, and document a limited research project. They will be able to transfer knowledge and skills in IT security to novel application domains.