Department 04 Electrical Engineering and Information Technology
Course title Network Security
Hours per week (SWS) 4
Number of ECTS credits 5
Course objective Get a thorough understanding of network security threats, impact and countermeasures
Prerequisites Understanding of computer networks and protocols (TCP, IP, IPv6)
Recommended reading for prerequisites: Peterson, Davie: Computer networks
For the lecture: script available, web resources
Teaching methods lecture, lab/home work with presentations
Assessment methods written exam
Language of instruction English
Name of lecturer Paul
Email manfred.paul@hm.edu
Link http://www.ee.hm.edu/fk/prof/paul/index.html
Course content The security landscape, Security needs, Introduction into cryptography, Identification and authentication, key management and PKI, network reconnaissance, sniffing, exploiting networks, network defenses, mobile code, software vulnerability and reliability, security strategies
Remarks