Hochschule München University of Applied Sciences

Courses in English
Course Description

Department	07 Computer Science and Mathematics
Course title	IT security and IT security management
Course number	IG-ITSEC-TH-0002
Hours per week (SWS)	4
Number of ECTS credits	5
Course objective	Students learn the basics of IT security and IT security management. Specifically, the following objectives are addressed: Students assess dangers and risks Students implement protection measures Students have knowledge of IT security and data protection Students describe organizational structures for IT security Students apply standards (e.g. ISO2700x) to various areas of IT
Prerequisites	Computer Networks, Operating Systems
Recommended reading	
Teaching methods	Blackboard, slides, projector, guest lectures
Assessment methods	
Language of instruction	English
Name of lecturer	Prof. Dr. Hendrik Venter
Email	
Link	
Course content	Threats and risks in data processing Overview of the various attacks and their effects Security objectives and their application Security models and protection concepts Standards in the area of IT security management, such as ISO2700x, IEC62443 or NIST CSF
Remarks	