

Advanced Network Architecture

Course code CIF62023	student workload 90 hours	credits (according to ECTS) 4.5 ECTS	semester Sem. 6	frequency each even-semester	duration 16 meetings
1	Types of courses elective	contact hours 63 hours	independent study 27 hours	class size 40 students	
5	Prerequisites for participation Completed Functional Business Management				
2	<p>Learning outcomes</p> <p>IF-ILO-3 Graduates are able to develop professional careers in the field of computer science based on quality aspects, data-based decision making, be responsible, and make continuous improvements.</p> <p>IF-ILO-7 Mastering the theoretical concept and principles of computer science, especially in the aspect of algorithms, programming, intelligent systems, information management, parallel and distributed computing, information security, human-computer interaction, software engineering, and fundamentals of computer systems and networks.</p> <p>IF-ILO-11 Graduates are able to plan, develop, manage, and analyze the computer network-based system and the services running on top of them by considering the network security aspects.</p>				
3	<p>Subject aims</p> <ol style="list-style-type: none"> 1. Students are able to explain the basic concepts of one of the latest network technologies 2. Students are able to explain the architecture of one of the latest network technologies 3. Students are able to explain the communication mechanism between the components that make up the system 4. Students are able to explain the interaction between the components that make up the system 5. Students are able to identify research issues related to the latest network technology that is being discussed in lectures 				

	6. Students are able to design a final project related to the latest network technology that is being discussed in lectures.
4	Teaching methods lectures, case study, class discussion, presentation
6	Assessment methods assignment, mid-term examination, end-term examination, project evaluation, practical-skill assessment
8	This module is used in the following degree programmes as well Informatics Engineering
10	Responsibility for module <i>Name of lecturers</i>
11	Other information <ol style="list-style-type: none"> 1. Scientific publications (journals and proceedings) related to the topic 2. Reference books related to the topic