



1.	Course title	Digital Transformation
2.	Course code	ITMW11
3.	Semester	9
4.	Unit offering the course	Faculty of Computer Science and Engineering
5.	ECTS	6
6.	Goals of the study programme	
	The aim of the course is for the student to get acquainted with the field of digitalization for application of complete digital transformation at the level of the whole enterprise or institution and to be trained to lead digital transformation projects using technologies for forming a complete digital offer, as well as to lead maintenance of existing solutions as a result of previous digital transformation. Competencies that the student is expected to acquire after completing the course:- Understand the importance of complete digital transformation- Ability to lead and participate in projects involving digitization processes at the level of the whole enterprise or institution- Application of technologies for establishing your own digital offer- Argumentative analysis and critique of past digital transformation projects and existing digital offers	
7.	Contents of the study programme	
	Topics covered within this course:- Concepts of digital transformation, digitization at the level of the whole enterprise or institution.- Digital services and digital offer versus classic services and offer.- Technologies for establishing, presenting and offering digital services.- Methodologies for development and maintenance of digitization projects.- Planning projects for digital transformation.- Life cycle of digital transformation at the level of the whole enterprise or institution.- Activities in the preparatory phase for digitization.- Digitization processes for complete digital transformation.- Post-digitization activities and preparation for the establishment of digital services.- Presentation and implementation of digital services - technologies that enable digital transformation and digital offer- Selection of the most appropriate technologies for digital transformation and digital offer- Enabling a self-hosted	



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digital offer and enabling a digital offer hosted in the cloud - advantages and disadvantages.- Maintaining a digital offer.