

Study programme(s): Computer science				
Level: academic master studies				
Course title: Seminar paper D				
Lecturer: All professors within the study program				
Status: elective				
ECTS: 4				
Requirements: None				
Learning objectives Training students to master the principles of selected modern IT disciplines which are not in the program of other courses.				
Learning outcomes <i>Minimum:</i> At the end of the course, it is expected that a successful student will be able to demonstrate the knowledge of the basic principles of the chosen contemporary IT discipline through illustrative use cases. <i>Preferred:</i> At the end of the course, it is expected that a successful student demonstrates a deeper understanding of the basic principles of the chosen information discipline through its application illustrated using appropriate realistic examples.				
Syllabus <i>Theoretical instruction:</i> Theoretical basis of the chosen IT discipline. Technologies and software tools that are used within this discipline. Principles and purpose of using appropriate technologies and software tools in the selected IT discipline. <i>Practical instruction:</i> Practicing the use of appropriate technologies and software tools on illustrative examples in order to master the basic principles of the chosen IT discipline.				
Literature Upon the recommendation of the teacher, depending on the selected topic.				
Weekly teaching load				
Lectures: 1	Exercises : 0	Practical Exercises: 2	Student research:	Other:
Teaching methodology Classic methods of teaching are used for theoretical instruction with usage of video beam. Practical exercises are used to analyze a large case-study project, analyze the needs for extensions and new functionalities, and then implement them.				
Grading method (maximal number of points 100)				
Pre-exam obligations	Points	Final exam	points	
Seminar paper	70	Oral exam	30	