

Software Engineering Institute			Semester 1. of the curriculum 2025-26-2			
Name of the subject:	Code of the subject:	Credits:	Weekly hours:			
				lec	sem	lab
Software technology	NSXST1EBNF	5	full-time	2	0	0
Responsible person for the subject: Prof. Dr. habil Zoltán Imre Vámosy			Classification: university professor			
Subject lecturer(s): Zsolt Krutilla						
Prerequisites:		NSXSFAEBNF	Basics of Software Development			
Way of the assessment:		Exam				
Course description						
Goal:	The aim of this course is to provide students with practical foundations in modern software engineering, covering software size measurement and estimation, sequential and iterative development models, and agile methodologies supported by software metrics. Throughout the semester, students will learn UML-based planning from basic to advanced level, and gain hands-on experience with version control using Git, including multi-branch workflows. In addition, the course develops core project management skills, introduces industrial development tools, and prepares students to organize, coordinate, and manage software teams effectively in a realistic development environment.					
Course description:	The presentation provides a comprehensive overview of modern software development tools and methodologies, version tracking, project management, and the basics of organizing and managing development teams.					

Type of the exam (to be filled out only for subjects with exams)	
Personally written (test-based) exam paper during the exam period.	
Calculation of the exam mark (to be filled only for subjects with exams)	
Final grade calculation methods:	
<ul style="list-style-type: none"> - Excellent: above 85% - Good: above 73% - Medium: above 62% - Sufficient: above 50% - Insufficient: below 50% 	
References	
Obligatory:	- Moodle (E-learning) learning materials
Recommended:	- Ian Sommerville - Software engineering Pearson Education Limited 2015
Other references:	