1.	Field of study	Computer Science
2.	Academic year of entry	2016/2017 (summer term)
3.	Level of qualifications/degree	second-cycle studies
4.	Degree profile	general academic
5.	Mode of study	full-time

Module: Tools supporting software development

Module code: 08-IN-S2-NWWO

1. Number of the ECTS credits: 3

2. Learning outcomes of the module

code	description	learning outcomes of the programme	level of competence (scale 1-5)
NWWO -U_4	Can use methods and tools used in software engineering.	K_2_A_I_U15	2
NWWO -U_5	Can use tools supporting software modelling and development.	K_2_A_I_U21	3
NWWO -W_1	Has basic knowledge in the field of software optimization.	K_2_A_I_W07	1
NWWO -W_2	Revives knowledge in the field of modelling and developing software.	K_2_A_I_W10	2
NWWO -W_3	Possesses knowledge about version control systems and methods and about methods of code sharing.	K_2_A_I_W14	3

3. Module description

Description	The main aim of the module is making the students familiar with modern tools and techniques necessary in the process of development, testing, modifying and maintaining IT systems.
Prerequisites	

4. Assessment of the learning outcomes of the module

code	type	description	learning outcomes of the module
NWWO _w_1	Test	Tests after each topic completed during classes together with theoretical knowledge of the lecture subject matter control.	NWWO -U_4, NWWO -U_5, NWWO -W_1, NWWO -W_2, NWWO -W_3
NWWO _w_2	Credit	Solving test tasks covering the issues discussed during lectures and classes.	

			NWWO -U_4, NWWO -U_5, NWWO -W_1, NWWO -W_2, NWWO -W_3

5. Forms of teaching

code	form of teaching			required hours of student's own work		assessment of the learning outcomes of the module
	type	description (including teaching methods)	number of hours	description	number of hours	
NWWO _fs_1	lecture	Presenting educational content in verbal form with use of content visualization. Focusing on conceptually complex material and indicating sources.	15	Familiarizing with lecture subject matter using the advised sources.	15	NWWO _w_2
NWWO _fs_2	laboratory classes	Detailed preparation of the students to solve problems indicating proceedings methodology and sequence.	30	Preparing appropriate documentation basing on the lecture content.	30	NWWO _w_1