



Subject card

Subject name and code	iOS Programming, PG_00047772						
Field of study	Informatics						
Date of commencement of studies	October 2026	Academic year of realisation of subject			2027/2028		
Education level	second-cycle studies	Subject group			Optional subject group Subject group related to scientific research in the field of study		
Mode of study	Part-time studies	Mode of delivery			at the university		
Year of study	2	Language of instruction			Polish		
Semester of study	4	ECTS credits			4.0		
Learning profile	general academic profile	Assessment form			exam		
Conducting unit	Department of Geoinformatics -> Faculty of Electronics Telecommunications and Informatics -> Faculties of Gdańsk University of Technology						
Name and surname of lecturer (lecturers)	Subject supervisor	mgr inż. Tomasz Idzi					
	Teachers	mgr inż. Tomasz Idzi					
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	12.0	0.0	9.0	6.0	0.0	27
	E-learning hours included: 0.0						
Learning activity and number of study hours	Learning activity	Participation in didactic classes included in study plan	Participation in consultation hours	Self-study	SUM		
	Number of study hours	27	10.0	63.0	100		
Subject objectives	To familiarise students with Swift programming language and using it for application development in iOS. The subject concerns advanced issues connected with application development and extending, like writing unit tests and tests of the user interface which has been implemented as universal and responsive. To utilise fully the platform potential, applications are expected to be extended by supporting the offline mode with using Core Data.						
Learning outcomes	Course outcome	Subject outcome			Method of verification		
	[K7_U04] can apply knowledge of programming methods and techniques as well as select and apply appropriate programming methods and tools in computer software development or programming devices or controllers using microprocessors or programmable elements or systems specific to the field of study, making assessment and critical analysis of the prepared software as well as a synthesis and creative interpretation of information presented with it	Students have to create the app for iOS which will make request to web service, get data, parse and display in specific user interface.			[SU4] Assessment of ability to use methods and tools [SU1] Assessment of task fulfilment		
	[K7_U03] can design, according to required specifications, and make a complex device, facility, system or carry out a process, specific to the field of study, using suitable methods, techniques, tools and materials, following engineering standards and norms, applying technologies specific to the field of study and experience gained in the professional engineering environment	Before start the project, students have to prepare specification of the app which will be developing during the course, where describe in details what exactly have to be done.			[SU4] Assessment of ability to use methods and tools [SU1] Assessment of task fulfilment		

