Subject card

Subject name and code	Software Licensing, PG_00054185						
Field of study	Informatics						
Date of commencement of studies	February 2026		Academic year of realisation of subject		2026/2027		
Education level	second-cycle studies		Subject group		Obligatory subject group in the field of study		
					Subject group related to scientific research in the field of study		
Mode of study	Full-time studies		Mode of delivery		at the university		
Year of study	1		Language of instruction		Polish		
Semester of study	2		ECTS credits		2.0		
Learning profile	general academic profile		Assessment form		assessment		
Conducting unit	Department Of Computer Architecture -> Faculty Of Electronics Telecommunications And Informatics -> Wydziały Politechniki Gdańskiej						
Name and surname of lecturer (lecturers)	Subject supervisor		dr inż. Tomasz Boiński				
	Teachers		dr inż. Tomasz Boiński				

Lesson types and methods of instruction	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	15.0	0.0	0.0	0.0	15.0	30
	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	30	2.0	18.0	50

Subject objectives	The subject aims at informing students about legal background of using OS software and make them aware of the need to follow them.

Learning outcomes	Course outcome	Subject outcome	Method of verification
	[K7_W04] knows and understands, to an increased extent, the principles, methods and techniques of programming and the principles of computer software development or programming devices or controllers using microprocessors or other elements or programmable devices specific to the field of study, and organization of work of systems using computers or such devices	Student knows and understands impact of software licenses on software development and ability to use certain compoents	[SW1] Assessment of factual knowledge
	[K7_U09] can carry out a critical analysis of the functioning of existing technical solutions and assess these solutions, as well as apply experience related to the maintenance of advanced technical systems, devices and facilities typical for the field of studies, gained in the professional engineering environment	Student can critically analyze legal aspect of the software and can match software components correctly aligned in term of legal conditions	[SU3] Assessment of ability to use knowledge gained from the subject
	[K7_U07] can apply advanced methods of process and function support, specific to the field of study	Student can correctly select open software components to realize computer processes	[SU2] Assessment of ability to analyse information
	[K7_U71] is able to apply knowledge from humanistic, social, economic or legal sciences in order to solve problems	Student differentiate software licences and their impact on the software development	[SU1] Assessment of task fulfilment

Subject contents	1. Open Source a Free Software
	2. Different kind of software licenses
	3. Management of a distributed software development project
	4. Rules of bundling software into different Linux distributions
	5. Development cycle of Linux distributions
	6. Positive and negative aspects of Closed and Open Source
	7. Intellectual property and patent law 8. Models of software patents in different countries
	9. Open Source based commercial applications and systems
	10. Formats and protocols standardization process
	11. Perspectives for Open Source
	12. Final test

Prerequisites and co-requisites	

Assessment methods and criteria	Subject passing criteria	Passing threshold	Percentage of the final grade
	Presentation	50.0%	50.0%
	Midterm colloquium	50.0%	50.0%

Recommended reading	Basic literature	Free Software Foundation, http://www.fsf.org
		Open Source Initiative, http://www.opensource.org
		Eric S. Raymond, The Cathedral and the Bazaar
		David A. Wheelers Personal Home Page, http://www.dwheeler.com/
		Karl Fogel, Producing Open Source Software: How to Run a Successful Free Software Project, http://www.producingoss.com/
		Fedora Project, http://fedoraproject.org
		Polish Copyright Law, from 4th February 1994 with later changes
		Rzeczpospolita, http://www.rp.pl/artykul/ 64143,179350_Pobieranie_filmow_i_muzyki_to_nie_kradziez.html
		EPO, http://legal.european-patent-office.org/dg3/biblio/t030424eu1.htm
		The Debian GNU/Linux Project, http://www.debian.org/
	Supplementary literature	Wikipedia, http://en.wikipedia.org
	eResources addresses	Adresy na platformie eNauczanie:

Example issues/ example questions/ tasks being completed	What are the differences between OSI and FSF?
	Should software be patentable?
	What are the differences between GPL and LGPL licenses?
Work placement	Not applicable

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