GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	Software Licensing, PG_00054185		
Field of study	Informatics		
Date of commencement of studies	February 2024	Academic year of realisation of subject	2024/2025
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	2	Language of instruction	Polish
Semester of study	3	ECTS credits	2.0
Learning profile	general academic profile	Assessment form	assessment
Conducting unit	Department of Computer Architecture -> Faculty of Electronics, Telecommunications and Informatics		
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_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_W04] Knows and understands, to an advanced extent, the principles, methods and techniques of programming and the principles of computer software development or programming devices or controllers using microprocessors or programmable elements or systems specific to the field of study, and organisation 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_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
[K7_W41] Knows and understands, to an increased extent, the standards, production methods, life cycle and development trends of software as well as information systems and applications.	Student understands and describes the methodology of open software components development and its impact on the software life-cycle Student differentiate different standards and their impact on the software life-cycle	[SW1] Assessment of factual knowledge

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

<table>
<tr><td>Assessment methods and criteria</td><td colspan="2"><table>
<tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr>
<tr><td>Midterm colloquium</td><td>50.0%</td><td>50.0%</td></tr>
<tr><td>Presentation</td><td>50.0%</td><td>50.0%</td></tr>
</table></td></tr>
<tr><td rowspan="3">Recommended reading</td><td>Basic literature</td><td>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/</td></tr>
<tr><td>Supplementary literature</td><td>Wikipedia, http://en.wikipedia.org</td></tr>
<tr><td>eResources addresses</td><td>Adresy na platformie eNauczanie:</td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td colspan="2">What are the differences between OSI and FSF?

Should software be patentable?

What are the differences between GPL and LGPL licenses?</td></tr>
<tr><td>Work placement</td><td colspan="2">Not applicable</td></tr>
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