University of Gdańsk

Subject card

Subject name and code	Master's Seminar I, PG_00205942						
Field of study	Quantum Information Technology						
Date of commencement of studies	October 2026		Academic year of realisation of subject		2027/2028		
Education level	Master's studies		Subject group		Obligatory subject group in the field of study		
Mode of study	full-time studies		Mode of delivery		at the university		
Year of study	2		Language of instruction		English		
Semester of study	3		ECTS credits		2.0		
Learning profile	academic		Assessment form		credit		
Conducting unit	Faculty of Mathematics, Physics and Informatics -> Rector						
Name and surname of lecturer (lecturers)	Subject supervisor		dr Jorge Escandón Monardes				
	Teachers						
Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	0.0	0.0	0.0	0.0	30.0	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		0.0		20.0	50
Subject objectives	The subject is aimed to be a journal club, during which the students present and discuss articles related to their scientific interests and projects, as well as those from a broader spectrum of science, suggested by the teacher. Possible topics include, but are not limited to, quantum cryptography, quantum theory, quantum open systems, quantum computation and algorithms.						

<table>
<tr><td>Learning outcomes</td><td>
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<tr><th>Course outcome</th><th>Subject outcome</th><th>Method of verification</th></tr>
<tr><td>[QITL3_K03] is ready to think and act in an entrepreneurial manner, especially in the context of working in the field of quantum technologies, as well as to fulfill social obligations, inspire and organize activities for the benefit of the social environment, and initiate actions for the public interest</td><td>Is ready to assess viability of applications quantum technologies in present and future market environment.</td><td>[SK1] oral statement/conversation/ discussion</td></tr>
<tr><td>[QITL3_U04] is able to use a foreign language at the B2+ level of the Common European Framework of Reference for Languages and specialized quantum technologies terminology</td><td>Understands and uses correctly terms associated with quantum technologies.</td><td>[SU1] oral statement/conversation/ discussion</td></tr>
<tr><td>[QITL3_U03] is able to communicate with diverse audiences and lead a debate</td><td>Is able to discuss and present quantum technologies both on the level of general concepts, as well as technical details.</td><td>[SU1] oral statement/conversation/ discussion</td></tr>
<tr><td>[QITL3_K01] is ready to critically evaluate the knowledge they possess and the content they receive, including in the field of quantum physics and technologies, is ready to recognize the importance of knowledge in solving cognitive and practical problems, and is ready to seek expert advice in the event of difficulties in solving a problem independently</td><td>Is ready for critical analysis of scientific papers in the area of physics and quantum technologies</td><td>[SK1] oral statement/conversation/ discussion
[SK2] presentation/project/paper/ report</td></tr>
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<tr><td>Subject contents</td><td>Journal Club.</td></tr>
<tr><td>Prerequisites and co-requisites</td><td></td></tr>
<tr><td>Assessment methods and criteria</td><td>
<table>
<tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr>
<tr><td>active participation in the journal club</td><td>51.0%</td><td>20.0%</td></tr>
<tr><td>presentation of scientific papers</td><td>51.0%</td><td>80.0%</td></tr>
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<tr><td>Recommended reading</td><td>
<table>
<tr><td>Basic literature</td><td>None.</td></tr>
<tr><td>Supplementary literature</td><td>None.</td></tr>
<tr><td>eResources addresses</td><td></td></tr>
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<tr><td>Example issues/ example questions/ tasks being completed</td><td></td></tr>
<tr><td>Work placement</td><td>Not applicable</td></tr>
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