University of Gdańsk

Subject card

Subject name and code	Physics teaching in primary school, PG_00182356		
Field of study	Physics		
Date of commencement of studies	October 2026	Academic year of realisation of subject	2026/2027
Education level	Master's studies	Subject group	
Mode of study	full-time studies	Mode of delivery	at the university
Year of study	1	Language of instruction	Polish
Semester of study	1	ECTS credits	4.0
Learning profile	academic	Assessment form	credit
Conducting unit	Laboratory for Physics Teaching -> Institute of Experimental Physics -> Faculty of Mathematics, Physics and Informatics -> Rector		
Name and surname of lecturer (lecturers)	Subject supervisor	dr Adrian Kołodziejski	
	Teachers		

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	15.0	30.0	30.0	0.0	0.0	75

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	75	0.0	0.0	75

Subject objectives

Acquisition of knowledge in the field of physics didactics necessary for the practice of the profession of a physics teacher in primary school.

Learning outcomes

Course outcome	Subject outcome	Method of verification
	The course fulfills the following detailed learning outcomes as set forth in the Regulation of the Minister of Science and Higher Education of 25 July 2019 on the standards of education preparing for the teaching profession: D.1/E.1.W1., D.1/E.1.W2., D.1/E.1.W3., D.1/E.1.W4., D.1/E.1.W5., D.1/E.1.W6., D.1/E.1.W7., D.1/E.1.W8., D.1/E.1.W9., D.1/E.1.W10., D.1/E.1.W11., D.1/E.1.W12., D.1/E.1.W13., D.1/E.1.W14., D.1/E.1.W15., D.1/E.1.U1., D.1/E.1.U2., D.1/E.1.U3., D.1/E.1.U4., D.1/E.1.U5., D.1/E.1.U6., D.1/E.1.U7., D.1/E.1.U8., D.1/E.1.U9., D.1/E.1.U10., D.1/E.1.U11., D.1/E.1.K1., D.1/E.1.K2., D.1/E.1.K3., D.1/E.1.K4., D.1/E.1.K5., D.1/E.1.K6., D.1/E.1.K7., D.1/E.1.K8., D.1/E.1.K9.	[SW4] test/exam - oral or written [SU3] text preparation/written work

Subject contents

Organization of physical education in Poland.

Methods of physical education.

Methods of implementing selected educational content in primary school.

<table>
<tr><td>Prerequisites and co-requisites</td><td colspan="3">A student commencing the course Didactics of Physics in Primary School must have passed courses from the block Psychological and Pedagogical Preparation for Teachers (courses from groups A, B, and C in accordance with the Teacher Education Standards).</td></tr>
<tr><td>Assessment methods and criteria</td><td colspan="3"><table>
<tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr>
<tr><td>Completion of all course assignments</td><td>51.0%</td><td>50.0%</td></tr>
<tr><td>Exam</td><td>51.0%</td><td>50.0%</td></tr>
</table></td></tr>
<tr><td rowspan="3">Recommended reading</td><td>Basic literature</td><td colspan="2">1. Lewis J.I., Nauczanie fizyki, PWN, Warszawa 1982.
2. Sawicki M., Zasady i metody nauczania fizyki, PZWS, Warszawa 1973.
3. Cooper L.N. Istota i struktura fizyki, PWN, Warszawa 1975.
4. Legal acts of the Ministry of Higher Education</td></tr>
<tr><td>Supplementary literature</td><td colspan="2">Exercise books for physics instruction in primary school</td></tr>
<tr><td>eResources addresses</td><td colspan="2"></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td colspan="3"></td></tr>
<tr><td>Work placement</td><td colspan="3">Not applicable</td></tr>
</table>

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