University of Gdańsk

Subject card

Subject name and code	Physics teaching in secondary school, PG_00182351		
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	Obligatory subject group 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	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 secondary school.

Learning outcomes

Course outcome	Subject outcome	Method of verification

Subject contents

Application of formative assessment strategies in secondary school

Methods of implementing the indicated educational content at the secondary school level

Problem-based teaching

Prerequisites and co-requisites

A student commencing the course Didactics of Physics in Secondary 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).

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
Completion of all course assignments	51.0%	50.0%
Exam	51.0%	50.0%

Recommended reading	Basic literature	Legal acts of the Ministry of National Education / Ministry of Science and Higher Education school textbooks popular science literature in physics M. Głowacki Dydaktyka fizyki, zagadnienia ogólne, Wydawnictwo WSP Częstochowa, 1994 M. Głowacki Dydaktyka fizyki, zagadnienia szczegółowe, Wydawnictwo WSP Częstochowa, 1996 K. Kruszewski (red.) Sztuka nauczania. Czynności nauczyciela, Wydawnictwo Naukowe PWN, Warszawa 2004
	Supplementary literature	Workbooks for teaching physics in secondary school
	eResources addresses	
Example issues/ example questions/ tasks being completed		
Work placement	Not applicable	

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