

Module title		Abbreviation
Mathematical Methods of Physics for Students of Functional Materials		11-M-MR-FW-212-m01
Module coordinator		Module offered by
Managing Director of the Institute of Theoretical Physics and Astrophysics		Faculty of Physics and Astronomy
ECTS	Method of grading	Only after succ. compl. of module(s)
5	(not) successfully completed	--
Duration	Module level	Other prerequisites
2 semester	undergraduate	--
Contents		
Fundamentals of mathematics and elementary calculation methods beyond the school subject, in particular for the introduction and preparation for the modules of theoretical physics and classical or experimental physics.		
Intended learning outcomes		
The student has the knowledge of the basics of mathematics and the elementary computing techniques that are required in theoretical physics and experimental physics.		
Courses <small>(type, number of weekly contact hours, language — if other than German)</small>		
V (2) + Ü (1) + V (2) + Ü (1) Module taught in: German or English		
Method of assessment <small>(type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)</small>		
a) exercises (successful completion of approx. 50% of approx. 13 exercise sheets) or b) talk (approx. 15 minutes)		
Allocation of places		
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Additional information		
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Workload		
150 h		
Teaching cycle		
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Referred to in LPO I <small>(examination regulations for teaching-degree programmes)</small>		
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Module appears in		
Bachelor's degree (1 major) Functional Materials (2021) Bachelor's degree (1 major) Functional Materials (2025)		
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