University of Gdańsk

Subject card

Subject name and code	Constructible universe, PG_00161246		
Field of study	Mathematics		
Date of commencement of studies	October 2024	Academic year of realisation of subject	2024/2025
Education level	Master's studies	Subject group	Optional 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	2	ECTS credits	6.0
Learning profile	academic	Assessment form	exam
Conducting unit	Institute of Mathematics -> Faculty of Mathematics, Physics and Informatics -> Rector		
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. Rafał Filipów	
	Teachers	dr Jacek Tryba dr hab. Rafał Filipów	

Lesson types	Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
	Number of study hours	30.0	30.0	0.0	0.0	0.0	60
	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	60	10.0	80.0	150

Subject objectives	n/a

Learning outcomes

Course outcome	Subject outcome	Method of verification
[MATMU2_K02] is ready to precisely formulate questions to deepen his/her understanding of a given topic or find missing elements of reasoning	n/a	[SK1] oral statement/conversation/ discussion
[MATMU2_K06] is ready to formulate opinions on basic mathematical issues	n/a	[SK8] observation of student's independent or team work
[MATMU2_W03] knows and understands in-depth a selected field of theoretical or applied mathematics and is able to understand the formulations of issues in this field that are still at the research stage and knows the connections of issues in this field with other areas of mathematics	n/a	[SW4] test/exam - oral or written
[MATMU2_U05] can perform proofs in a selected field and, if necessary, also use tools from other areas of mathematics	n/a	[SU4] test/exam - oral or written
[MATMU2_U06] is able to apply methods and examples from a selected field of mathematics in related fields	n/a	[SU4] test/exam - oral or written
[MATMU2_W01] knows and understands in-depth the theory of selected areas of mathematics	n/a	[SW4] test/exam - oral or written
[MATMU2_U07] is able to define his/her interests and develop them; in particular, is able to establish contact with specialists in his/her field, e.g. understand their lectures intended for young mathematicians	n/a	[SU1] oral statement/conversation/ discussion
[MATMU2_U03] can understand mathematical texts of various types from selected fields of mathematics	n/a	[SU1] oral statement/conversation/ discussion
[MATMU2_U04] is able, at an advanced level and including modern mathematics, to apply and present, orally and in writing, methods of at least one selected branch of mathematics	n/a	[SU1] oral statement/conversation/ discussion [SU4] test/exam - oral or written
[MATMU2_W02] knows and understands well the role and importance of the construction of mathematical reasoning	n/a	[SW1] oral statement/ conversation/discussion
[MATMU2_K04] is ready to understand and appreciate the importance of intellectual honesty in one's own and other people's actions; ethical conduct	n/a	[SK1] oral statement/conversation/ discussion
[MATMU2_K01] is willing to acknowledge the limitations of his or her own knowledge and is willing to pursue further education	n/a	[SK8] observation of student's independent or team work
[MATMU2_U01] can construct mathematical reasoning: prove theorems and refute hypotheses through construction and selection of counterexamples	n/a	[SU4] test/exam - oral or written
[MATMU2_K05] is ready to independently search for information in literature, also in foreign languages	n/a	[SK8] observation of student's independent or team work

Subject contents

n/a

Prerequisites and co-requisites

Assessment methods and criteria

Subject passing criteria	Passing threshold	Percentage of the final grade
n/a	50.0%	50.0%
n/a	50.0%	50.0%
n/a	100.0%	0.0%

Recommended reading	Basic literature	n/a
	Supplementary literature	n/a
	eResources addresses	
Example issues/ example questions/ tasks being completed	n/a	
Work placement	Not applicable	

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