COURSE PROGRAMME

1.	**Field of study**	**Mathematics**
2.	Academic year of entry	2015/2016 (winter term) *The number and date of a Faculty Council's resolution: 44 (16.06.2015 r.)*
3.	Level of qualifications/degree	second-cycle studies
4.	Degree profile	general academic
5.	Mode of study	part-time
6.	ISCED code	0541 (Mathematics)

Learning outcomes

7.	Description of learning outcomes	Attachment no. 1
8.	Model learning outcomes	

Programme of study

9.	Connection between the field of study and university development strategy, including the university mission	
10.	Number of semesters	4
11.	Degree	magister (Master's Degree)
12.	Area (or areas - for joint or interdisciplinary studies) of education to which the programme is assigned and the leading discipline of art or science for the POL-on system	science studies [mathematics]
13.	Areas, fields and disciplines of art or science to which the learning outcomes of the field of study are related, indicating the **percentage** shares in which the programme of study refer to the various fields of science	• science studies • mathematics - 100% • mathematics
14.	Specializations	Mathematical Methods in Computer Science Mathematics for Finance and Economics Teaching Mathematics at the Third and Fourth Level of Education
15.	Number of ECTS credits required to achieve the qualification equivalent to the level of study	Mathematical Methods in Computer Science: 120, Mathematics for Finance and Economics: 120, Teaching Mathematics at the Third and Fourth Level of Education: 120
16.	Percentage of the ECTS credits for	Mathematical Methods in Computer Science

	each of the areas to which the learning outcomes are related to the total number of ECTS credits	science studies - 100% Mathematics for Finance and Economics science studies - 100% Teaching Mathematics at the Third and Fourth Level of Education science studies - 100%
17.	Percentage of the ECTS credits for optional modules in relation to the total number of ECTS credits	Mathematical Methods in Computer Science: 58%, Mathematics for Finance and Economics: 58%, Teaching Mathematics at the Third and Fourth Level of Education: 58%
18.	Total number of ECTS credits that a student must obtain in the modules taught	Mathematical Methods in Computer Science: 120, Mathematics for Finance and Economics: 120, Teaching Mathematics at the Third and Fourth Level of Education: 119
19.	Number of ECTS credits that a student must obtain in modules from humanities or social science areas of education (not less than 5 ECTS) - in the case of fields of study assigned to areas other than, respectively, the humanistic or social studies	Mathematical Methods in Computer Science: 5, Mathematics for Finance and Economics: 5, Teaching Mathematics at the Third and Fourth Level of Education: 5
20.	Modules description (including learning outcomes, number of ECTS credits and assessment methods of the learning outcomes)	Attachment no. 2
21.	Course structure	Attachment no. 3
22.	Graduation requirements for a particular specialization	Mathematical Methods in Computer Science Mathematics for Finance and Economics Teaching Mathematics at the Third and Fourth Level of Education
23.	Organization of the process of obtaining a degree	
24.	Internships (hours and conditions) in the case of practical programmes and in general university programme - if such requires internship	
25.	Total number of ECTS credits that a student must obtain in internships	Mathematical Methods in Computer Science: 0, Mathematics for Finance and Economics: 0,

		Teaching Mathematics at the Third and Fourth Level of Education: 2
26.	Number of ECTS credits - higher than 50% of the total number of credits - that a student must obtain: • in general university programmes within a module connected with research carried out in the area to develop his/her knowledge and research skills; • in practical programmes within a module connected with vocational preparation to allow a student to develop practical and social skills	Mathematical Methods in Computer Science: 101, Mathematics for Finance and Economics: 101, Teaching Mathematics at the Third and Fourth Level of Education: 77
27.	Minimum staff resources and staff to student ratio	Attachment minimum staff

Additional information

28.	General description of the programme	
29.	General description of the specialization	Mathematical Methods in Computer Science Mathematics for Finance and Economics Teaching Mathematics at the Third and Fourth Level of Education
30.	Learning outcomes coverage matrix	Attachment no. 4

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(pieczęć i podpis Dziekana)