

Faculty of Mathematics and Informatics - Teaching Mathematics in the Schools

Approved by

RECTOR:

(Prof. Dr. Zapryan KOZLUDZHOV)

Academic Council Minutes No 18/24.04.2017

CURRICULUM

Area of higher education	PEDAGOGICAL SCIENCES (1.)
Professional stream:	PEDAGOGY OF TEACHING (1.3)
Degree programme:	TEACHING MATHEMATICS IN THE SCHOOLS
Educational and qualification degree:	MASTER
Professional qualification:	TEACHER OF MATHEMATICS
Mode of study:	FULL-TIME
Official length of programme:	2 YEARS

Dean of FMI:

(Prof. Dr. Anton Iliev)

Faculty Council Minutes No 17/19.04.2017

CURRICULUM DETAILS:

Course	CH	L	Lw	S	Sw	L	B	L	B	w	SS	T	C	TA	AY	TR	Tn
FIRST ACADEMIC YEAR	730	325	32.5	41	0	41	55	5.5	1460	2190	73						
<i>Autumn trimester</i>	215	130	13	80	8	35	3.5	505	720	24							
Psychology	60	30	3	30	3	0	0	120	180	6	Ex	1	A	1			
Information and Communication Technologies in Teaching and Working in a Digital Environment	30	15	1.5	0	0	15	1.5	90	120	4	Ex	1	A	1			
School Course in Analysis	40	20	2	20	2	0	0	80	120	4	Ex	1	A	1			
Information Technologies in Education Management	40	20	2	0	0	20	2	80	120	4	Ex	1	A	1			
Inclusive Education	15	15	1.5	0	0	0	0	45	60	2	Ex	1	A	1			
Mandatory Elective or Practical No1 of Group B	30	30	3	0	0	0	0	90	120	4	CA	1	A	1			
		0	0	30	3	0	0										
<i>Winter trimester</i>	310	180	18	160	16	0	0	590	900	30							
Pedagogy	60	30	3	30	3	0	0	120	180	6	Ex	1	W	2			
School Course in Algebra	50	30	3	20	2	0	0	100	150	5	Ex	1	W	2			
School Course in Geometry	50	30	3	20	2	0	0	100	150	5	Ex	1	W	2			
Methods of Teaching Mathematics	90	60	6	30	3	0	0	120	210	7	Ex	1	W	2			
Lesson Observation	30	0	0	30	3	0	0	60	90	3	CA	1	W	2			
Mandatory Elective or Practical No1 of Group A	30	30	3	0	0	0	0	90	120	4	CA	1	W	2			
		0	0	30	3	0	0										
<i>Spring trimester</i>	205	15	1.5	170	17	20	2	365	570	19							
Practicals in Teaching Mathematics	40	0	0	20	2	20	2	80	120	4	CA	1	S	3			
Optional Course	15	15	1.5	0	0	0	0	45	60	2	CA	1	S	3			
Practice Teaching	60	0	0	60	6	0	0	120	180	6	CA	1	S	3			
Pre-Service Teaching	90	0	0	90	9	0	0	120	210	7	CA	1	S	3			
SECOND ACADEMIC YEAR	370	250	25	170	17	10	1	1430	1800	60							
<i>Autumn trimester</i>	170	120	12	80	8	0	0	430	600	20							
Selected Topics in School Algebra and Mathematical Analysis	60	40	4	20	2	0	0	120	180	6	Ex	2	A	4			

Modern Trends in Mathematics Education	60	40	4	20	2	0	0	120	180	6	Ex 2	A	4
Methodology and Methods of Pedagogical Research	20	10	1	10	1	0	0	100	120	4	CA2	A	4
Mandatory Elective or Practical No2 of Group A	30	30	3	0	0	0	0	90	120	4	CA2	A	4
Winter trimester	150	100	10	70	7	10	1	420	570	19			
Methodology and Methods of Solving Mathematical Problems	40	20	2	20	2	0	0	110	150	5	Ex 2	W	5
Selected Topics in School Geometry	60	40	4	20	2	0	0	120	180	6	Ex 2	W	5
Application of Modern Information Technologies in Teaching Mathematics	20	10	1	0	0	10	1	100	120	4	CA2	W	5
Mandatory Elective or Practical No2 of Group B	30	30	3	0	0	0	0	90	120	4	CA2	W	5
Spring trimester	50	30	3	20	2	0	0	580	630	21			
Modelling in Teaching Mathematics	20	10	1	10	1	0	0	40	60	2	CA2	S	6
Elements of School Combinatorics, Probability Theory and Mathematical Statistics	30	20	2	10	1	0	0	90	120	4	Ex 2	S	6
Preparation for and Taking the Integrated Practical Applied State Examination and Development and Defence of a Thesis Paper	0	0	0	0	0	0	0	450	450	15	Ex 2	S	6
TOTAL	1100	575	57.5	580	58	65	6.5	2890	3990	133			

KEY:

CH – contact hours; L – lectures; Lw – lectures per week; Se – seminars; Sw – seminars per week; LB - labs; LBw - labs per week; SS – self-study; T – total; C – ECTS credits; TA – type of assessment; AY – academic year; Tr – trimester; Tn – trimester number; Ex – exam; CA – continuous assessment; A – Autumn, W – Winter, S – Spring