

Standard Master program in Mathematics
(Elementary Mathematics Methods)

(Dated October 29th, 2015)

The total minimum required number of credits:	64 credits
- General courses (required):	07 credits
- Fundamental and core courses:	39 credits
+ Required:	18 credits
+ Elective:	21/54 credits
- Master thesis:	18 credits

Available curriculum

No	Code	Subjects	Credits	Credit hours			Prerequisite
				<i>Lecture</i>	<i>Practice</i>	<i>Self-study</i>	
I	General courses		7				
1.	PHI5001	<i>Philosophy</i>	3	30	15		
2.	ENG5001	<i>General English</i>	4	30	30		
II	Fundamental and core courses		39				
II.1.	Required		18				
3.	ENG6001	<i>English for academic purposes</i>	3	45			
4.	MAT6002	<i>Advanced functional analysis</i>	3	45			
5.	MAT6007	<i>Selected topics in linear algebra</i>	3	45			
6.	MAT6100	<i>Partial Differential Equations</i>	3	45			
7.	MAT6069	<i>Combinatorics</i>	3	45			
8.	MAT6061	<i>Functional equations</i>	3	45			
II.2	Elective		21/54				
9.	MAT6130	<i>Number theory</i>	3	45			

No	Code	Subjects	Credits	Credit hours			Prerequisite
				Lecture	Practice	Selfs- study	
10.	MAT6131	<i>Polynomial interpolation theory</i>	3	45			
11.	MAT6001	<i>Theory of Groups and Group Representations</i>	3	45			
12.	MAT6005	<i>Differential Geometry</i>	3	45			
13.	MAT6006	<i>Algebraic Geometry</i>	3	45			
14.	MAT6008	<i>Measure and Integration</i>	3	45			
15.	MAT6009	<i>Analysis on Manifolds</i>	3	45			
16.	MAT6010	<i>Complex Analysis</i>	3	45			
17.	MAT6028	<i>Convex analysis</i>	3	35	10		
18.	MAT6065	<i>Inequalities and applications</i>	3	45			
19.	MAT6067	<i>Difference equations</i>	3	45			
20.	MAT6068	<i>Introduction to geometry</i>	3	45			
21.	MAT6086	<i>Advanced Topics in Discrete Mathematics and Applications</i>	3	25	10	10	
22.	MAT6132	<i>Graph Theory and Applications</i>	3	45			
23.	MAT6020	<i>Multivariate Statistical Analysis</i>	3	30		15	MAT6007
24.	MAT6133	<i>Diophantine equation</i>	3	45			
25.	MAT6134	<i>Combinatorial geometry</i>	3	45			
26.	MAT6003	<i>Algebraic Topology</i>	3	45			
III	Master thesis		18				
27.	MAT6147	Thesis	18				
Total			64				