

Mathematics (Major and Minor)									
#	title	prerequisite	ECTS	Contact Hours	Semester		Status	lecturer	
				Autumn	Spring				
General Module - 6o ECTS									
1	Introduction to Mathematical Analysis		6	62	X		mandatory	Mariam Mikelashvili	
2	Foundations of Mathematics		6	62		X	mandatory	Natia Sazandrishvili	
3	Academic Techniques		6	34	X	X	mandatory	Maia Rogava - Head of the Academic Writing Center	
4	Introduction to Modern Thought I		6	31		X	mandatory	Giga Zedania, Gia Nodia, Sergo Ratiani, Giorgi Maisuradze, Emzar Jgerenaia, Nodar Ladaria, Nino Rodonaia, Maka Lashkhia, Tamar Berekashvili, Tamar Tshxadadze, Grigol Jokhadze, Tamar Tsopurashvili, Zurab Chiaberashvili, Luka Nakhucrishvili, Sandro Gabisonia, Zaza	
5	Introduction to Programming		6	80	X		mandatory	Erekle Magrazde, Giorgi Partskhaladze, Tornike Shavishvili	
6	Practical Courses of English Language		24	64	X	X	mandatory	Maia Rogava - General Module Academic Head of English Language Learning	
7	Block of Introductory Courses in Other Disciplines		6		X	X	mandatory		
Major mandatory courses - 96 ECTS									
1	Mathematical Analysis I	Introduction to Mathematical Analysis	6	62		X	mandatory	Sulkhan Mukhigulashvili, Mariam Mikelashvili	
2	Mathematical Analysis II	Mathematical Analysis I	6	62	X		mandatory	Sulkhan Mukhigulashvili, Mariam Manjikashvili	
3	Mathematical Analysis III	Mathematical Analysis II	6	62		X	mandatory	Sulkhan Mukhigulashvili, Mariam Manjikashvili	
4	Analytic Geometry I		6	62		X	mandatory	Teimuraz Aliashvili	
5	Analytic Geometry II	Analytic Geometry I	6	62	X		mandatory	Nino Manjavidze, Natia Sazandrishvili	
6	Higher Algebra I	Foundations of Mathematics	6	62	X		mandatory	Giorgi Raqviashvili	
7	Higher Algebra II	Higher Algebra I	6	62		X	mandatory	Giorgi Raqviashvili	
8	Probability Theory and Mathematical Statistics I	Mathematical Analysis II, Higher Algebra I, Analytic Geometry I	6	62	X		mandatory	Teimuraz Aliashvili	
9	Probability Theory and Mathematical Statistics II	Probability Theory and Mathematical Statistics I	6	62		X	mandatory	Teimuraz Aliashvili	
10	Differential Geometry and Topology	Mathematical Analysis II, Analytic Geometry I	6	32	X		mandatory	Giorgi Khimshiashvili	
11	Introduction to Theory of Groups	Higher Algebra II	6	62	X		mandatory	Giorgi Raqviashvili	
12	Ordinary Differential Equations	Mathematical Analysis II, Higher Algebra I	6	62		X	mandatory	Sulkhan Mukhigulashvili	
13	Theory of Functions and Functional Analysis	Mathematical Analysis II, Higher Algebra I	6	47		X	mandatory	Sulkhan Mukhigulashvili	
15	Integral Equations I	Ordinary Differential Equations	6	47	X		mandatory	Merab Svanadze	
14	Complex Analysis	Mathematical Analysis II	6	62		X	mandatory	Nino Manjavidze	
16	Equations of Mathematical Physics	Ordinary Differential Equations	6	47		X	mandatory	Merab Svanadze	
Major Elective Courses - 24 ECTS									
1	Integral Equations II	Integral Equations I	6	47		X	elective	Merab Svanadze	
2	Elements of Discrete Mathematics	Analytic Geometry II, Probability Theory and Mathematical Statistics I, Higher Algebra II	6	62	X		elective	Teimuraz Aliashvili	
3	Elements of Topology and Combinatorial Geometry	Mathematical Analysis I, Analytic Geometry I	6	32	X		elective	Teimuraz Aliashvili	
4	Geometry and Groups	Analytic Geometry I, Introduction to Theory of Groups	6	62		X	elective	Giorgi Raqviashvili	
5	Programming in Python		6	48	X		elective	Daviti Datunashvili	
6	Data Analysis with Python		6	48		X	elective	Daviti Datunashvili	
7	Numerical Methods I	Introduction to Mathematical Analysis, Foundations of Mathematics	6	47		X	elective	Khatuna Chargazia	

Mathematics (Major and Minor)							
I	II	III	IV	V	VI	VII	VIII
General Module - 60 ECTS							
Introduction to Programming	Introduction to Modern Thought I						
Practical Course of English Language I	Practical Course of English Language II	Practical Course of English Language III	Practical Course of English Language IV				
Academic Techniques							
Introduction to Mathematical Analysis	Foundations of Mathematics						
Block of Introductory Courses in Other Disciplines							
Major mandatory courses - 96 ECTS							
	Mathematical Analysis I	Higher Algebra I	Higher Algebra II	Probability Theory and Mathematical Statistics I	Probability Theory and Mathematical Statistics II	Integral Equations I	Complex Analysis
	Analytic Geometry I	Analytic Geometry II	Mathematical Analysis III	Differential Geometry and Topology	Ordinary Differential Equations		Equations of Mathematical Physics
		Mathematical Analysis II		Introduction to Theory of Groups	Theory of Functions and Functional Analysis		
Major Elective Courses - 24 ECTS							
					რეგულარიზაცია I	Elements of Topology and Combinatorial Geometry	Integral Equations II
						Elements of Discrete Mathematics	Geometry and Groups
						Programming in Python	Data Analysis with Python