



**THE CURRICULUM OF PROGRAM STUDY: BACHELOR IN “MATHEMATICS – PHYSIC”,  
ACADEMIC YEAR 2016-2017**

**First year**

Nr.	The discipline or the activity title	Activity type	Credits	Classroom hours	Lectures	Seminars	Laboratories	Total	The semester	The professor
1.	Calculus 1	A	14		60	90		150	I,II	Prof. dr. Lorenc Ekonomi
2.	Analytical Geometry	B	6		30	30		60	II	Dr. Argjir Butka
3.	Higher Algebra I	B	10		46	60		106	I,II	Msc. Eljona Milo
4.	Elementary Mathematics	B	6		38	38		76	I,II	Dr. Arto Adili
5.	Indroduction in Informatics	E	8		30	60		90	I,II	Msc. Dhori Beta
6.	Physics I	A	12		60	60	20	140	I,II	Msc. Lorena Kelo Msc. Sotiraq Marko
7.	Foreign Language	E	4		30	30		60	I,II	Msc. Ermenita Cuka
	<b>Total 1<sup>st</sup> year</b>		<b>60</b>		<b>294</b>	<b>368</b>	<b>20</b>	<b>682</b>		

## Second year

Nr.	The discipline or the activity title	Activity type	Credits	Classroom hours	Lectures	Seminars	Laboratories	Total	The semester	The professor
1.	Calculus II	B	13		60	75		135	I,II	Msc. Danjela Braho
2.	Higher Algebra II	B	10		60	46		106	I,III	Msc. Eljona Milo
3.	Theory of numbers	B	5		30	30		60	I	Dr. Arto Adili
4.	Physics II	A	12		75	45	30	150	I,II	Msc. Sotiraq Marko Msc. Esmeralda Guliqani
5.	Theoretical Physics	B	12		60	60		120	I,II	Msc. Lorena Kelo Msc. Angjelina Qorllari
6.	Advanced Geometry	B	4		30	15		45	II	Dr. Arto Adili
7.	Elective subjects* Module 1: Formal Logic, Materie structure, Foreign Language Module 2: MATLAB, Mathematical methods in physics	D	4		30	30		60	I, II	Module 1: Msc Viola Dolani, Msc. Esmeralda Guliqani Prof. as. dr. Pavllo Cicko Module 2: Dr. Argjir Butka Msc. Angjelina Qorllari
	<b>Total 2<sup>nd</sup> year</b>		<b>60</b>		<b>345</b>	<b>301</b>	<b>30</b>	<b>676</b>		

**Note:** Note: From all the elective subjects the students should choose 1 (one) for each module.

## Third Year

Nr.	The discipline or the activity title	Activity type	Credits	Classroom hours	Lectures	Seminars	Laboratories	Total	The semester	The professor
1.	Applied Mathematics	B	6		30	30		60	I	Prof. dr. Lorenc Ekonomi
2.	Physics III	B	11		60	60	30	150	I/II	Msc. Angjelina Qorllari
3.	Theory of relativity	C	9		83	30		113	I/II	Msc. Lorena Kelo Msc. Angjelina Qorllari Msc. Esmeralda Guliqani
4.	Social Studies	C	8		60	16		76	I	Msc. Mitjana Profiri Msc. Jorida Agolli
5.	Probability and mathematical statistics	B	9		46	53		99	I/II	Prof. dr. Lorenc Ekonomi Dr. Argjir Butka
6.	Differential equations	B	6		30	30		60	II	Msc. Edlira Donefski
7.	Elective subjects: Module 1: Energy and Environment, Cryptography , Topology Module 2: Elements of Quantum Mechanics,SPSS,Functional analysis	D	4		30	30		60	I/II	Module 1: Prof. as. dr. Thoma Lice Msc. Blerina Celiku Prof. dr. Lorenc Ekonomi Module 2: Msc. Esmeralda Guliqani Msc. Lorena Margo Prof. dr. Lorenc Ekonomi
8.	Diploma Thesis	F	7					90	II	
	<b>Total 3<sup>rd</sup> year</b>				<b>338</b>	<b>249</b>	<b>30</b>	<b>708</b>		
	<b>Total in three years</b>		<b>180</b>		<b>977</b>	<b>918</b>	<b>80</b>	<b>2066</b>		

\* Note: From all the elective subjects the students should choose 1 (one) for each module.

**HEAD OF DEPARTMENT**  
Prof. dr. Lorenc Ekonomi

**DEAN**  
Prof. dr. Gjergji Pendavinji