Udergraduate Study Programme
3-year BA Physics

		Exam.	Total				First Year								Second Year								Third Year							
		sem.	h				1 sem				2 sem				3 sem.				4 sem				5 sem				6 sem			
Lp	**The Courses**			Lec.	Class.	Lab.	Le	C	La	ETCS	Le	C	La	ETCS	Le	C	La	ETCS	Le	C	La	ETCS	Le	C	La	ETCS	Le	C	la	ETCS
1	Introductory Physics and Selected Topics in Higher Mathematics		30		30			2		3																				
2	Mathematical Analysis	1,2	240	120	120		4	4		9	4	4		9																
3	Linear Algebra with Geometry	2	120	45	75		1	3		5	2	2		5																
4	Mathematical Methods in Physics I	3	60	30	30										2	2		6												
5	Mathematical Methods in Physics II	4	60	30	30														2	2		5								
6	Mechanics	1	90	45	45		3	3		10																				
7	Thermodynamics	2	60	30	30						2	2		5																
8	Electromagnetism	3	75	45	30										3	2		6												
9	Optics and Waves	3	75	45	30										3	2		6												
10	Elements of Modern Physics	4	75	45	30														3	2		6								
11	Analysis of Experimental Data		45	15		30	1		2	3																				
12	Physics Lab I		90			90							3	5			3	5												
13	Physics Lab II		75			75																			5	9				
14	Classical Mechanics	4	60	30	30														2	2		5								
15	Quantum Mechanics	5	90	45	45																		3	3		9				
16	Astrophysics	5	45	30	15																		2	1		6				
17	Electrodynamics	6	60	30	30																						2	2		4
18	Statistical Physics	6	60	30	30																						2	2		4
19	Facultative lecture I		60	45	15														3	1		4								
25	Facultative lecture II		60	45	15																		3	1		4				
20	Facultative lecture III		60	45	15																						3	1		4
21	Facultative lecture IV		60	45	15																						3	1		4
22	Computer Programming		60	30		30					2		2	5																
23	Computational Methods of Physics		60	30		30									2		2	5												
24	Monographic lecture		45	30	15														2	1		2								
25	Seminar		30		30																							2		2
26	English	6	120		120											2		2		2		2		2		2		2		2
27	Physical Education		30		30							2		1																
28	Obligatory Student Practice (120 hours)																					5								
29	Intellectual property protection and copyright law		15	15															1			1								
30	Diploma work and exam																													10
	Total	16	2010	900	855	255	9	12	2	**30**	10	10	5	**30**	10	8	5	**30**	13	10	0	**30**	8	7	5	**30**	10	10	0	**30**
	Number of exams in session and hours per week						2		23		3		25		3		23		3		23		2		20		3		20	
	Number of hours in semester								345				375				345				345				300				300	
	Health and safety training - 4 hours							Exam					Credit (grade)																	