

Standard Master program in Mechanics (Mechanics of Solids)

(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:	21/42 credits
- Master thesis:	18 credits

Available curriculum

	Code	Subjects	Credits	Credits			Prerequisite
				Lecture	Practice	Self-study	
I	General courses		7				
1.	PHI5001	<i>Philosophy</i>	3	30	15		
2.	ENG5001	<i>English for general purposes</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.	MAT6036	<i>Advanced Mechanics of Continuous Media</i>	3	45	0	0	
5.	MAT6037	<i>Advanced Partial Differential Equations</i>	3	45	0	0	
6.	MAT6045	<i>Advanced Numerical Methods in Mechanics</i>	3	33	6	6	
7.	MAT6038	<i>Analysis of plates</i>	3	45	0	0	
8.	MAT6049	<i>Methods in Nonlinear Oscillations</i>	3	21	9	15	
II.2.	Elective		21/42				
9.	MAT6040	<i>Nonlinear Oscillations</i>	3	21	9	15	

	Code	Subjects	Credits	Credits			Prerequisite
				Lecture	Practice	Self-study	
10.	MAT6042	<i>Tensor Calculus in Mechanics</i>	3	32	13	0	
11.	MAT6041	<i>Advanced Differential Equations</i>	3	25	17	3	
12.	MAT6108	<i>Mechanics of Multibody Systems</i>	3	37	8	0	
13.	MAT6109	<i>Applied Functional Analysis</i>	3	35	10	0	
14.	MAT6110	<i>River and Sea Dynamics</i>	3	30	9	6	
15.	MAT6111	<i>Theory of Motion Control</i>	3	33	8	4	
16.	MAT6046	<i>Thermo - Elasticity</i>	3	32	13	0	
17.	MAT6048	<i>Vibration of Elastic Systems</i>	3	37	8	0	
18.	MAT6050	<i>Stability of Deformable Systems</i>	3	36	9	0	
19.	MAT6051	<i>Advanced Mechanics of Composite Materials</i>	3	26	12	7	
20.	MAT6112	<i>Theory of Thin Plates and Shells</i>	3	38	7	0	
21.	MAT6039	<i>Wave Propagation in Elasto-Plastic Media</i>	3	45	0	0	
22.	MAT6138	<i>Stability of Motion</i>	3	22	8	15	
III	Master Thesis		18				
23.	MAT6148	Master thesis	18				
Total			64				