

PhD program in Solid Mechanics (2013)

The total minimum required number of credits:	91 credits
- Coursework:	21 credits
+ Basic courses:	09 credits
+ Advanced foreign languages for academic purposes:	04 credits
+ Advanced courses:	06 credits
+ Overview:	02 credits
- Research	
- PhD Thesis:	70 credits

Available curriculum :

No	Code	Subjects	Credits	Credit hours			Prerequisite
				<i>Lecture</i>	<i>Practice</i>	<i>Self-study</i>	
Part 1. Coursework							
I	Basic courses		9				
<i>I.1</i>	<i>Required</i>		6				
1	MAT8049	Course 01	3	45			
2	MAT8051	Course 02	3	45			
<i>I.2</i>	<i>Elective</i>		<i>3/6</i>				
3	MAT8047	Course 03	3	45			
4	MAT8046	Course 04	3	45			
II	Advanced foreign languages for academic purposes (choose one of languages below):		4				
5	ENG	<i>Advanced English for</i>	4			60	

No	Code	Subjects	Credits	Credit hours			Prerequisite
				Lecture	Practice	Self-study	
	8001	<i>Academic Purposes</i>					
	RUS 8001	<i>Advanced Russian For Academic Purposes</i>	4			60	
	FRE 8001	<i>Advanced French For Academic Purposes</i>	4			60	
	WES 8001	<i>Advanced General For Academic Purposes</i>	4			60	
	CHI 8001	<i>Advanced Chinese For Academic Purposes</i>	4			60	
III	Advanced courses		6/12				
6	MAT8048	<i>The functionally graded materials (FGM)</i>	3	45			
7	MAT8050	<i>Analysis of nonlinear dynamic response of FGM plates and shells</i>	3	45			
8	MAT8052	<i>The effective boundary condition method for Rayleigh surface waves in layers over a half-space</i>	3	45			
9	MAT8053	<i>Homogenization of two-dimensional very rough interfaces</i>	3	45			
IV	Overview		2				
10	MAT8063	<i>Research Perspective Report</i>	2			30	
Part 2. Research (research planning, publishing ...)							
Part 3. Doctoral Thesis							
11	MAT9007	Ph.D thesis	70				
	Total		91				