

«APPROVED»  
 Head of department  
 «High-temperature materials and  
 powder metallurgy»  
 Stepanchuk A. M.  
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 “    ”                      2015

## INDIVIDUAL LEARNING PLAN 1-ST YEAR

**The theme of work:** Structure and phase state, physical and mechanical properties of coatings deposited on the substrate aluminum and titanium, the detonation-gas spraying oxide ceramic

№	Name of disciplines and types of work	reporting form	The mark of the supervisor
1	According to the work plan	According to the work plan	
Work on the thesis			
2	<u>Theoretical work:</u> 1. Patent information search on the topic of the thesis 2. Writing a literature review.	Meets the requirements literary review	
3	<u>Experimental work:</u> 1. Development of methodology of the study. 2. Carrying out experimental researches to establish the laws of formation of a bond layer of microcrystalline composite materials on the surface of products from alloys of aluminum and titanium; study of the structure of coatings and internal stresses	1. Description of the methods 2. Research report	

Scientific adviser \_\_\_\_\_ / Ph. D. senior lecturer Trosnikova I.Yu./  
 “    ”                      2015.

Undergraduate \_\_\_\_\_ /Titkov E.P./  
 “    ”                      2015.