PhD program in Theoretical and Mathematical Physics (2013)

The total minimum required number of credits: 94 credits

- Coursework: 24 credits
  - + Basic courses: 12 credits
    - Required: 09 credits
    - Elective: 03/6 credits
  - + Advanced foreign languages for academic purposes: 04 credits
  - + Advanced courses: 06/12 credits
  - + Overview: 02 credits
- Research
- PhD Thesis: 70 credits

Available curriculum:

No	Code	Subjects	Credits	Credit hours			Prerequisite
				Lecture	*Practice*	*Self-study*	
I	**Part 1. Coursework**						
I.1	**Basic courses**		**12**				
I.1.1	***Required***		***9***				
1	PHY8011	*Advanced Quantum field theory*	3	30		15	
2	PHY8012	*Advanced Theory of solid state*	3	30		15	
3	PHY8013	*Advanced Theory of semiconductor*	3	30		15	
I.1.2	***Elective***		***3/6***				
4	PHY8017	*Solid state Quantum theory*	3	30		15	

No	Code	Subjects	Credits	Credit hours			Prerequisite
				Lecture	*Practice*	*Self-study*	
5	PHY8019	*Theory quantum of semiconductor II*	3	30		15	
I.2	**Advanced foreign languages for academic purposes*:***		**4**				
6	ENG 8001	*Advanced English for Academic Purposes*	4			60	
I.3	**Advanced courses**		**6/12**				
7	PHY8014	*Technique of Feynman's diagrams*	3	30		15	
8	PHY8015	*Elementary particles physics*	3	30		15	
9	PHY8016	*Advanced Quantum statistical Physics*	3	30		15	
10	PHY8018	*Theory quantum of semiconductor I*	3	30		15	
I.4	**Overview**		**2**				
11	PHY 8020	*Research Perspective Report*	2			30	
II	**Part 2. Research (research planning, publishing …)**						
III	**Part 3. Doctoral Thesis**						
12	PHY 9001	*Doctoral Thesis*	70				
		Total	**94**				