CATALOG OF ELECTIVE DISCIPLINES

For students in the direction of preparation 8D061 Information and communication technologies,

Brief description of the elective disciplines of the educational program



EPG	D094 - 88 «Information & technology» of bh	D094 - 8 «Information « technology» o
ΕP	8D06103 - Full-tim «Modeling and (PhD 3 optimization of years) business processes» tremest	8D06103 - Full-tim «Modeling and PhD 3 optimization of years) business processes» tremest
Form of education	Full-time (PhD 3 years) tremestr	Full-time (PhD 3 years) tremestr
The name of discipline	Modern Theory of Business Processes in 1T	Methods of building a business model
Code of subje	STBP 17206	
Code Disci of pline subje cycle	BS	BS
Disci Comp pline onent cycle	Electi ve subjec ts	Electi ve subjec ts
Code Disci Comp Numbe of pline onent r of subje cycle credits	5.0	5.0
Level of training	Doctoral studies by specialization (scientific & pedagogical direction)	Doctoral studies by specialization (scientific & pedagogical direction)
Cafedr Cou Acade a rse mic period	Comput er science	Comput er science
Con Ge		
Acade mic period	2	2
Pre-requisitions.	Academic writing, Analysis and Improvement of Business Processes of IT structures, Methods of scientific researches	Theory of systems and systems and systems analysis, Business Process Modeling and Management
Post-requisitions	PhD student's research work, incl. doctoral thesis, Research practice	PhD student's research work, incl. doctoral thesis, Research practice
Brief content of the discipline	The discipline "Modern Theory of Business Processes in IT" is one of the directions of the theory of processes, studying the sections related to mathematical models of the behavior of dynamic systems, business processes, project management and ways to optimize portfolio management.	The discipline is dedicated to the study of classify basic concepts in the field basin earthodologies of business process theory, determine and classification of business models. Different approaches to business models Different approaches to business models business models guitations using modern tools, attention is paid to business modeling. Business in the compare methods of investment projugation modeling, methods of investment projugation modeling, methods of investment projugation modeling, methods of investment projugation modeling of modeling of business processes are also presented in the course
Key learning outcomes	The discipline "Modern Theory of Business Processes in IT" is one of the structure and developing proposals for building a directions of the theory of processes, its improvement, organizing the substitutions related to processes of sudying and describing the model of the behavior of business processes of the organization, dynamic systems, business processes, predicting opportunities and prospects for reengineering in the organization, putting into practice analytical and computational methods in the process of making management decisions on managing business processes in modern specialized business process in management software.	Classify basic concepts in the field of business process theory, determine types of business processes and their features, diagnose microeconomic simulations using modern tools, compare methods for developing a featibility study of investment projects, own a methodology and methodology for conducting scientific research, master the skills of independent scientific and research work.
Name of the alternative discipline	Methods of building a business model	Modem Theory of Business Processes in

Research of methods of analysis and synthesis of business processes	- 0	PhD student's rearrance formulation of the formulation of research work, incl. economic problems. Optimization recearch work, incl. economic problems. Optimization methods and doctoral thesis, model of a business process: a set of Research practice variables expressing the intensity (frequency) of reproducing operations classes of optimization problems and of a business process, the objective function, a system of resource constraints, system of technological mathematical methods and modern tooks to solve applied information systems problems.	PhD student's research work, incl. decreated work, incl. decreated thesis. Research practice	Theory of systems and systems and systems annlysts, Business Process Modeling, and Management	12	nce 1	Doctoral Comput studies by er specialization science (scientific & pedagogical direction)	50 Doctoral studies by specializar (scientific pedagogic direction)		AS Elective subjects		Business Process Optimization Methods	Full-time (PhD 3 years) tremestr	8D06103 Fall-tim aNodeling and (PhD 3 optimization of years) business processess tremestr	D094 - «Information technology»
Methods	_ š	based on subjective assessments passed on subjective assessments (SWOT analysis of the process. analysis of process problems, process ranking), visual analysis of graphical process, requirements analysis. Quantitative process analysis comeasurement and analysis of indicators.	Research practice	Business Processes Research practice of IT structures. Nethods of scientific researches			uffic & bgical on)	(scientific & pedagogical direction)		Ø		S	tremestr	business processes» (remestr	
Process Optimization	evelop	Methods of analysis and synthesis of Analyze and improve use 1 per business processes, Qualifative process business processes, model the analysis constitution process analysis or process analysis of the ana	incl.	ås	2	e I	studies by er specialization science		ojec 5.0	ve subjec	ω į	methods of analysis BP and synthesis of 730	(PhD 3 years)	«Modeling and optimization of	«Information technology»

The catalog of elective disciplines was reviewed and approved by the faculty council, protocol No. 14 15.06 20 23.

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