BUSINESS ANALYSIS AND PROTOTYPING OF SOFTWARE SYSTEMS

(course title)

ANNOTATION

TO THE EDUCATIONAL INSTITUTION'S CURRICULUM

Specialty 6-05-0612-03 "Information Management Systems"

Specialization: Automated information processing systems

	The form of higher education		
	Full-time (full-time)	Correspondence*	Correspondence shortened*
Course	4	5	3
Semester	8	9	6
Lectures, hours	12	2	2
Lab exercises, hours	24	6	6
Credit, semester	8	9	6
Classroom hours in the academic discipline	36	8	8
Individual work, hours	54	82	82
Total hours in the discipline / credits	90/3,0		

1. Summary of the content of the discipline

Familiarization of students with business analysis methodologies, techniques for collecting and analyzing requirements, as well as prototyping skills for effective interaction of programmers with customers and successful development of software products.

2. Learning outcomes

As a result of studying the discipline the student should:

know: key concepts of business analysis in the field of software development; the role of business analysis and business analysis specialists throughout all stages of an IT project; a list of functions performed by a business analysis specialist; methods of business analysis and descriptions of business processes; the main tools for automating software development processes used by a business analysis specialist; methods for identifying, analyzing, documenting and managing software requirements; methods for assessing the quality of requirements; basic project documents; methods of effective communication;

be able to: identify business problems; analyze business processes; identify, analyze, document and manage software requirements; evaluate the quality of requirements based on methodologies; use the tools of a business analysis specialist; build the work of a business analysis specialist from the beginning of the project to the acceptance of the finished version of the system; use global information resources and own modern tools telecommunications;

to possess a skill: basic scientific and theoretical knowledge for solving theoretical and practical problems; skills of applying a systematic approach to setting and solving business analysis problems in the field of software development; research skills.

3. Competencies to be formed

Mastering this discipline should ensure the formation of the competence : Perform business domain analysis and develop prototypes of information systems.

4. Requirements and forms of current and intermediate attestation

Laboratory work protection – current certification, oral and written, credit – intermediate attestation, oral and written.