

**Academic discipline:
"Design of economic information systems"**

Code and name of specialty	1-25 01 12 Economic informatics
Training course	3
Semester of training	6
Number of class hours:	70
Lectures	30
Seminar classes	-
Practical exercises	-
Laboratory classes	40
Form of intermediate assessment (credit/differential credit/exam)	exam
Number of credits	4
Competencies to be formed	To apply methods and tools for organizing design work, to design automation, an object-oriented approach to the analysis and design of economic information systems based on the unified modeling language UML
Summary of the content of the academic discipline:	
<p>The content of the academic discipline "Design of economic information systems" includes work in the following areas:</p> <ul style="list-style-type: none"> - to conduct a pre-design survey, identify the information needs of the customer and form requirements for the designed IP; - to study of the methodological foundations of IP design; issues related to the formation of technical specifications for IP design; - to study of the canonical design of IP, including the stages and composition of work, pre-design work, draft, technical and working projects, implementation, operation and maintenance of IP; - learning the basics of functional-oriented design, familiarization with functional specifications, description of the structure systems, business functions, representation of architectural solutions; conceptual foundations of object-oriented design, including the UML language, representation of design solutions in the form of UML diagrams, case tools for object-oriented design; - study of software design methodologies and technologies that provide IP subsystems. 	