ECONOMETRICS AND ECONOMETRIC
METHODS AND MODELS
(name of the course)
OUTLINE TO THE SYLLABUS OF THE INSTITUTION OF HIGHER EDUCATION
Specialty-1-25 01 04 "Finance and Credit

	Form of training		
	Full-time (full-time)	Correspondence	Correspondence (short-time)
Course	3	3	
Semester	5	6	
Lectures, hours	36	10	
Laboratory classes, hours	36	8	
Class hours in the educational discipline	72	20	
Test, Semester	5 Sem	6 Sem	
Auditory control work (semester hours) Independent work, hours		6 (2h)	
Total hours in the educational discipline/ credit units	108	160	
Total hours in the educational discipline/ credit units	180/4,5		

1. Summary of the contents of the study discipline
It contains the theoretical foundations of the methodological principles and specific approaches to the formulation, solution and analysis of problems of rational management of production.
2. As a result of mastering the academic discipline, the student should
know:
- basics of econometric modeling, analysis and forecasting;
- basic problems and directions of development of theory and practice of economic and mathematical modeling;
- areas of application of economic and mathematical methods and models;
- inter-branch balance models, methods and models of optimal programming, mass service theory, game theory, inventory management, network planning and management, investment models;
- modern packages of applied programs on econometrics and economic and mathematical modeling;
be able to:
- conduct identification of econometric models;
- apply theoretical knowledge when analyzing and forecasting economic processes
- model economic situations related to the optimization of processes under study;
- solve economic problems by mathematical methods using computer and software tools on real data;
- To apply the received knowledge at scientific researches of economic and industrial processes;
possess:
- basic techniques of statistical data processing;
- methods of analytical and numerical solution of economic and economic-mathematical problems.
3. Competencies to be formed
AK-1, AK-2, AK-3, AK-4, AK-5, AK-6, SK-1, SK-2, SK-3, SK-4, SK-4, SK-5, SK-6, SK-9, SK-12.
4. Requirements and forms of current and intermediate attestation.
Defence of laboratory works, credit, exam