"Programming of network applications"
(name of the discipline)
OUTLINE
TO THE CURRICULUM OF THE INSTITUTION OF HIGHER EDUCATION
Specialty 1-40 05 01 Information systems and technologies (by subject area)
The direction of the specialty <u>1-40 05 01-01 Information systems and technologies (in design and production)</u>

	Форма получения высшего образования	
	Очная (дневная)	Заочная сокращенная
Course	3	3
semester	5	4
Lectures, hours	34	4
Laboratory hours	34	4
Course Project, Semester	40	40
Exam, Semester	5	4
Classroom hours in the educational discipline	68	8
Independent work, hours	92	152
Total hours of the discipline / credit units	160 / 4,0	

1. Summary of the content of the study discipline
Training of professionals wielding basic knowledge, skills and practical abilities in the field of languages and tools for developing client-server architecture-oriented network applications, programming elements of such architecture.
2. Learning outcomes
As a result of the study of the discipline the student should:
know:
- basics and features of the programming language used;
- basics of developing simple client-server programs, methods of developing server maintenance programs and methods of organizing client-server interaction;
- sequential, multi-threading and multi-process client-server service;
- methods and tools for developing client-server architecture programs interaction and debugging, order of development of interaction protocols and methods of their use in programs for program development
- technology of client-server interaction, the order of development of the user interface;
be able to:
- create applications of remote call procedures and methods, applications in client-server architecture with different methods and procedures of server processing of client requests;
- develop applications with different types of application clients and interfaces using modern technologies
- use the most common network communication protocols and other means of data transfer in client-server architectures to develop applications;
possess:
- network application development tools;
- software development tools of distributed information systems;
- methods of developing applications for distributed data processing and remote call technology;
- languages and techniques for programming server applications and user interfaces.
3. competencies to be formed
AK-1, AK-11, SCL-6, PK-1, PK-2, PK-3, PK-4, PK-6, PK-9.
4.Requirements and forms of current and intermediate attestation.
ZLR, PKU, ZKP, TA, exam.