OUTLINE
TO THE SYLLABUS OF THE INSTITUTION OF HIGHER EDUCATION

Specialty 1-40 80 02 "System analysis, management and information processing" (by branches)
Professionalization: Information Control Systems
II level of higher education (master's degree)

	Form of higher education
	Full-time
Course	**2**
Semester	**3**
Lectures, hours	**34**
Laboratory classes, hours	**34**
Exam, semester	**3**
Classroom hours in the educational discipline	**68**
Independent work, hours	**130**
Total hours of the discipline / credit units	**198/6**

1.Summary of the contents of the discipline
Formation of student knowledge, skills, abilities, necessary to use innovative security technologies for automated information processing systems.

2. Learning objectives
As a result of studying the discipline the student must
know:
- role and place of information protection systems in ensuring national security;
- basic models of building secure automated systems;
- Modern approaches to building information protection systems;
- Methods of conceptual design of information security technology;
be able to:
- carry out the choice of the functional structure of the information security system;
- Justify the principles of organization of technical, software and information security;
- Organize work to improve, modernize and unify information security technology;
possess:
- Skills to use criteria for evaluating the security of automated information processing systems;
- Skills in conducting and analyzing the results of experiments to assess the effectiveness of information security management.

3. Competencies to be formed
SK-8 Provide protection of confidentiality, integrity and availability of data in information systems.

4.Requirements and forms of current and intermediate attestation.
RPL, TA, exam.