

" VISION SYSTEMS"

(name of the discipline)

ANNOTATION

TO THE CURRICULUM OF THE INSTITUTION OF HIGHER EDUCATION

specialty 7-06-0612-03 system information management

	Form of higher education	
	Full-time	Correspondence
Course	1	1
Semester	2	2
Lectures, hours	34	8
Laboratory hours	34	8
Exam, semester	2	2
Classroom hours in the educational discipline	68	16
Independent work, hours	148	200
Total hours of the discipline / credit units	216/6	

1. Brief content of the training discipline

The purpose of the training discipline is to form in the student the knowledge, skills, abilities, skills necessary in the construction of modern vision systems.

2 Learning objectives

As a result of studying the discipline the student should

know: the complex of problems of modern computer vision systems; principles of apparatus and software construction of modern computer vision systems; means for obtaining and processing two-dimensional and three-dimensional images of various objects; basic libraries for working with the image, its processing and recognition algorithms;

be able to: use in practice mathematical algorithms, including with the use of modern computing systems; methodological knowledge and research skills, providing the solution of problems of research, scientific and pedagogical and teaching, organizational, managerial and innovative activities; use application software packages and computer graphics tools.

has the skill: - methods of building systems designed to attribute objects to one class; ability to find, analyze, implement and use in practice mathematical algorithms, including with the use of modern computing systems; methods of obtaining, presentation, detection, recovery, classification and extraction of graphic information, its analytical processing.

3. Formable competences

SK-8 Use technologies of data warehousing development, meta

4 Requirements and forms of current and intermediate certification.

The current one is an exam, the intermediate one is an exam.