WELDING ROBOTS AND PROCESSING TOOLS

(name of the discipline)

ANNOTATION
TO THE CURRICULUM OF THE INSTITUTION OF HIGHER EDUCATION

Specialty 1-36 01 06 "Equipment and technology of welding production"

Direction of specialty _____

Specialization _____

	Form of higher education		
	Full-time (daytime)	**Correspondence (abbreviated)**	**Correspondence**
Well	4	4	4
Semester	7	7	8
Lectures	34	8	6
Laboratory studies	34	8	6
Test, semester	7	7	8
Classroom hours per academic discipline	68	16	12
Independent work	40	92	96
Total hours per academic discipline/ credits	108/3		

1. Brief content of the discipline

The purpose of teaching the discipline is to provide students with ideas, knowledge and skills in the field of principles of work, structure and features of the operation of industrial robots as part of flexible production systems, skills in practical work with robotic complexes, technological equipment and the development of programs for their control.

2. Learning outcomes

As a result of mastering the academic discipline, the student must

know:

- main technical characteristics and operation of welding robots, automatic machines, main technological and auxiliary peripheral equipment as part of complexes and systems and control from a common control system;

be able to:

- use the possibilities of in-line mechanized and automatic lines in solving specific problems of automating the assembly-welding processes of the most common types of welding products;

own:

- ways to determine the effectiveness of the use of existing or newly developed automated welding systems.

3. Formed competencies.

SK-12 - Master the principles of complex mechanization, flexible automation of welding production, non-standardized equipment and technological equipment using robotic systems.

4. Requirements and forms of current and intermediate certification.

When studying the discipline, a module-rating system for assessing knowledge is used. Used assessment tools for the academic discipline are stored at the department.