

# OPERATION OF WELDING EQUIPMENT

(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	3	3	4
Semester	6	6	7
Lectures, hours	34	4	6
Practical lessons, hours	16	4	2
Laboratory classes, hours	16	4	4
Test, semester	6	6	7
Classroom hours per academic discipline	66	12	12
Independent work, hours	42	96	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 knowledge in the field of adjustment, maintenance, features of operation and repair of various equipment that is widely used in production processes in manual, mechanized and automated arc fusion welding, as well as in contact welding, and effective use of this knowledge in practice.

### 2. Learning outcomes

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

#### **know:**

- principles of operation of the electrical part and design features of welding equipment for arc and resistance welding;

- safety requirements for the operation of welding equipment for arc and resistance welding;

#### **be able to:**

- check the serviceability of electronic components of power units and control circuits of equipment for arc and resistance welding;

- adjust the welding equipment to the specified mode;

#### **own:**

- troubleshooting techniques for welding equipment;

### 3. Formed competencies.

SK-13 - Know the basic methods of testing and diagnostics of welding equipment.

### 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.