

CAD WELDING PRODUCTION

ANNOTATION TO THE CURRICULUM OF THE INSTITUTION OF HIGHER EDUCATION

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

	Form of higher education		
	Full-time (daytime)	Correspondence	Correspondence abbreviated
Well	3	4; 5	3
Semester	5; 6	8; 9	5; 6
Lectures, hours	68	14	12
Practical (seminar) classes, hours	16	4	4
Laboratory classes, hours	34	10	8
Coursework, semester	6	9	6
Report, semester	5	8	5
Exam, semester	6	9	6
Classroom hours per academic discipline	98	28	24
Independent work, hours	134	188	192
Total hours per academic discipline /credit units	216/6	216/6	216/6

1. Brief content of the discipline

The purpose of teaching the discipline is to develop the students of the specialty 1-36.01.06 "Equipment and technology of welding production" of ideas, knowledge and skills in the composition and capabilities of modern computer-aided design systems (CAD), the features of using CAD in welding production.

2. Learning outcomes

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

know:

- methods for solving design, technological and scientific problems of welding production using CAD;
- fundamentals of structures of modern technical means of computer-aided design;
- ESTD standards.

be able to:

- use applied software products for automated design of technological processes of welding, welded structures, as well as welding technological equipment;
- choose technical means of computer-aided design with optimal characteristics;
- to use methods of safe work with technical means in computer-aided design.

own:

- methods of computer-aided design of technological processes of welding, welded structures and welding technological equipment using modern software and hardware;
- methods of safe work with technical means in computer-aided design.

3. Formed competencies

Codes of generated competencies	Names of competencies being formed
SC-8	Know the principles of construction, types of CAD software, master the basics of automated design of welding technologies, computer-integrated databases, calculation methods for determining the physical, mechanical and operational properties of products

4. Requirements and forms of current and intermediate certification.

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