

TESTING OF WELDED JOINTS AND STRUCTURES

(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	Correspondence abbreviated
Course	III	V	III
Semester	6	9	6
Lectures, hours	34	8	8
Laboratory classes, hours	16	6	4
Classroom examination (semester, hours)	-	9 (2 hours)	-
Exam, semester	6	9	6
Classroom hours per academic discipline	50	16	12
Independent work, hours	58	94	96
Total hours in academic discipline / credit units	108 / 3		

1. Brief content of the discipline

The purpose of the discipline is to provide students with knowledge in the field of testing welded joints, materials and structures. Acquaintance with the procedure and methods of testing, as well as the preparation of programs for the certification of technological processes of welding and quality control of welding materials.

2. Learning outcomes

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

know:

- types of certification of welding technologies and testing of welded joints;
- requirements and procedure for quality control of welding materials and welded structures;
- the main defects detected during the tests and the reasons for their occurrence.

be able to:

- draw up programs for testing materials and welded joints;
- evaluate and document test results.

own:

- basic methods for testing welded joints and materials.

3. Formed competencies

SC-7 - Know the methods of testing welded structures, materials and welded joints, be able to draw up test programs as part of the certification of welding processes, certification of welders and welding filler materials

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.