PRE-GRADUATION INTERNSHIP

(course title)

INTERNSHIP COURSE SYLLABUS
ABSTRACT

6-05-0714-03 Engineering and technical design and production of materials and products from them

(speciality code and name)

Equipment and technology of welding production

(concentration)

	STUDY MODE		
	Full-time (day)	Part-time	Part-time (shortened program)
Year	4	5	4
Semester	8	10	8
Total course duration in hours / credit units	162/4		

1. Internship course outline (aims and objectives)

The aim of the internship is for students to acquire professional skills in their specialty, consolidate, expand and systematize the knowledge gained in the study of special disciplines.

The objectives of the internship are:

– mastering and consolidating the knowledge and skills of students acquired at the university throughout the course of study;

– checking the possibilities of independent work of a future specialist in a specific production environment;

– preparation of materials for writing a thesis project.

2. Course learning outcomes

Learning outcomes:

– to consolidate theoretical knowledge the requirements for the development of design solutions, to get acquainted with specific projects of various welding facilities;

– to master practical skills of designing technological processes of assembly and welding and assembly and welding equipment; analyze and process the materials obtained during the internship to complete the graduation project;

– to develop practical expertise terms the principles of organization and management of welding production, analysis of economic indicators of technical facilities, measures to improve the reliability and efficiency of welding production.

3. Competencies:

Master the production technologies of welded structures for various purposes, auxiliary equipment, principles of calculation of structures and equipment for strength and adaptability, taking into account the specifics of production.

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

Be able to carry out the layout of the welding shop, site, taking into account the production conditions, calculate the production program, operating mode, and operating time funds of the equipment.

4. Form of midcourse evaluation is differentiated credit.