

**WELDING AND RELATED TECHNOLOGIES  
IN THE CONTEXT OF HISTORICAL DEVELOPMENT**  
(course title)

**INTERNSHIP COURSE SYLLABUS  
ABSTRACT**

**Specialty** 7-06-0714-02 Innovative technologies in mechanical engineering

**Profiling** Welding technology

Advanced higher education

	STUDY MODE	
	full-time	part-time
Year	1	1
Semester	1	2
Lectures, hours	34	8
Report, semester	1	2
Classroom hours per academic discipline	34	8
Independent work, hours	74	100
Total hours per academic discipline / credit units	108 / 3	

**1. Internship course outline (aims and objectives)**

The purpose of the discipline is to provide students with in-depth knowledge about the history of the emergence and development of welding technologies, the most important stages of their application and the impact on scientific and technological progress. The largest scientific schools, the role of domestic scientists in the field of welding and related technologies are considered.

**2. Course learning outcomes**

Upon completion of the course, students will be expected to know:

- the main stages of the historical development of welding technologies;
- the main scientific schools and teams that have made a significant contribution to the development of industry

be able to:

- predict the effectiveness of the introduction of new developments in the real sector of production based on the knowledge of historical experience;
- make decisions on the appropriateness of choosing a welding method.

to possess skills:

- critical thinking and analysis of the experience of using welding technologies;
- work with literary sources in order to carry out a scientific and technical review.

**3. Competencies**

SK-3 To know the main trends in the development of welding technologies in the context of history

**4. Form of midcourse evaluation.**

The following forms are used to diagnose competencies:

- oral;
- written;
- oral and written.