PRE-GRADUATION INTERNSHIP
INTERNSHIP COURSE SYLLABUS
ABSTRACT

Specialty 6-05-0714-02 – Mechanical engineering technology, metal-cutting machines and tools
Profiling Equipment and technologies for highly efficient material processing processes

	STUDY MODE		
	full-time	part-time	part-time (shortened program)
Year	4	-	-
Semester	8	-	-
Total course duration in hours / credit units	162 / 4	-	-

1. Internship course outline (aims and objectives)

The purpose of the undergraduate internship are:

- formation of students of the specialty 6-05-0714-02-1.2 «Mechanical engineering technology, metal-cutting machines and tools», profiling « Equipment and technologies for highly efficient material processing processes» skills of independent work on the analysis of existing and development of new technological processes for manufacturing machine-building products; mastering practical skills and their preparation for independent professional activity in the specialty.

– students acquire practical skills and abilities and prepare them for independent professional activity in their specialty.

The objectives of undergraduate internship are:

– acquisition by students of professional skills in their specialty, consolidation, expansion and specialization of knowledge acquired in previously studied disciplines;

– the study of technological processes for the manufacture of parts, assemblies and all stages of their production, starting from the production of blanks and ending with the assembly and testing of assemblies and machines;

– familiarization with the tasks of enterprises and organizations in Mogilev, the organizational structure of various organizations / enterprises, the forms of organization of the production process and its technological support.

2. Competencies:

Learning outcomes:

– **to consolidate theoretical knowledge** the basics of developing new technological processes for manufacturing machine-building products;

– **to master practical skills** to create new technological processes for manufacturing machine-building products;

– **to develop practical expertise** new skills in designing technological processes.

3. Competencies:

To be able to use the basic methods, ways, and means of obtaining, storing, and processing information, as well as to use a computer as a means of managing information and using computer networks. To know the structure of an industrial enterprise, the principles and trends of the development of innovative technologies in mechanical engineering, and the methods of applying these technologies. To be able to choose the most efficient processing modes and time standards for the development or modernization of technological processes, as well as to be able to create technological documentation, including using computer technology. To be able to ensure a high level of automation in the design of technological processes, and to know the principles and types of automated process control systems. Know the causes and patterns of wear and destruction of machine and equipment parts, methods of increasing their durability, and be able to apply them in practice.

4. Form of midcourse evaluation

Intermediate certification is carried out in writing through the preparation of reports, as well as by conducting differentiated test.