

SECOND DESIGN AND TECHNOLOGICAL 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	3	-	-
Semester	6	-	-
Total course duration in hours / credit units	216 / 6	-	-

1. Internship course outline (aims and objectives)

The purpose of the second design and technological 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 the second design and technology 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. Course learning outcomes

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:

Solves standard tasks of professional activity based on the use of information and communication technologies. Master the basic methods, methods and means of obtaining, storing, processing information, computer skills, as a means of information management, and the use of computer networks. Should know the structure of an industrial enterprise, principles and trends in the development of innovative technologies in mechanical engineering, and methods of applying these technologies. Possess methods for choosing rational product processing modes and time standards during their development or modernization of technological processes, as well as methods for processing technological documentation, including using computer technology.

4. Form of midcourse evaluation

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