<u>Second design and technology practice</u>

(course title)

COURSE SYLLABUS ABSTRACT

<u>1-36 01 03 – Machine-building process equipment</u>

(speciality code and name)

	STUDY MODE
	full-time
Year	3
Semester	6
Total course duration in hours / credit units	216/6

1. Course outline

The purpose of technological practice is to deepen and consolidate theoretical knowledge in the studied disciplines in accordance with the curriculum of the specialty.

The objectives of the practice are:

1) procedures for development of technological processes for mechanical processing of parts and their assembly;

2) issues of design, automation and adjustment of metal cutting machines;

3) design, calculation and manufacture of process tooling and cutting tools;

4) operation of devices for automation and mechanization of production processes;

5) methods and means of strengthening technology;

6) the use of computers in the development of technological processes, the design of machines and tools;

7) issues of scientific organization of labor and production management;

8) identification of reserves for improving production efficiency;

9) standardization and quality control of products;

10) organizational and educational work;

11) technical and economic indicators of the site (workshop) operation.

2. Course learning outcomes

Upon completion of the course, students will be expected to

know**:** structure of the tool shop; structure of the shop (section) of the machine assembly; technical documentation for the process of manufacturing tools and parts of machine tools; types of metal cutting machines in the mechanical or tool shop.

be able to**:** use computers when designing process engineering, designing machines and cutting tools.

possess**:** practical skills in the design and manufacture of machines, tools.

3. Competencies

SK-13 – Study the procedure for the development of technological processes for mechanical processing of parts and their assembly.

4. Requirements and forms of midcourse evaluation and summative assessment

verbal-written: differentiated test.