

# METHODS OF REPAIR AND RESTORATION OF MACHINE PARTS

(name of the discipline)

## ANNOTATION TO THE CURRICULUM OF THE INSTITUTION OF HIGHER EDUCATION

Specialty 1-36 01 01 Engineering technology

Form of higher education			
	Full-time (daytime)	Correspondence (abbreviated) 1-36 01 01	Correspondence (full) 1-36 01 01
Well	4	4	5
Semester	7	8	9
Lectures, hours	34	8	6
Laboratory classes, hours	34	8	4
Report, semester	7	8	9
Classroom hours per academic discipline	68	16	10
Independent work, hours	40	92	98
Total hours per academic discipline / credit units	108/3		

### 1. Brief content of the discipline

The discipline "Methods of repair and restoration of machine parts" contains general ideas about modern technologies for the restoration and hardening of worn parts and the repair of assembly units, machines and equipment in mechanical engineering; determination of optimal modes of production processes; quality management of machinery and equipment repair based on international standards.

### 2. Learning Outcomes

A student who has studied the discipline should **know**:

- bases of repair production;
- theory of restoration of machine parts;
- methods of restoring machine parts;
- technology of repair of knots and devices;
- basics of designing technological equipment.

A student who has studied the discipline should **be able to**:

- fault detection of machine parts;
- use modern measuring instruments;
- to use the available normative-technical and reference documentation.

A student who has studied the discipline **must have**:

- methods for the development of technological processes for the repair and restoration of machine parts;
- methods of safe work and methods of labor protection.

### 3. Formed competencies:

Codes of generated competencies	Names of competencies being formed
SK-7	Know the basic concepts of equipment reliability, the causes of failure of machine parts, methods for their prevention and elimination.

### 4. Requirements and forms of current and intermediate certification

Current and intermediate certification is carried out in written and oral-written form through reports on laboratory work with their oral defense, written test.