FUNDAMENTALS OF VISUAL DESIGN
(course title)

COMPUTER GRAPHICS
1-37 01 02 "Automotive industry (by direction)"

(speciality code and name)
1-37 01 02 "Automotive (mechanics)"
(specialisation code and name)

	STUDY MODE
	full-time
Year	**2**
Semester	4
Lectures, hours	16
Laboratory classes, hours	34
Pass/fail, semester	4
Contact hours	50
Independent study, hours	58
Total course duration in hours / credit units	108/3

1. Course outline

The purpose of the discipline is the formation of knowledge, skills and abilities of students when working with software (software) implemented in the form of a three-dimensional design system of machine parts, subassemblies and machines in general, allowing them to make specific decisions in practical work with solving problems in the field of machine design.

2. Course learning outcomes

   Upon completion of the course, students will be expected to

     know:

     - principles, methods and rules for creating three-dimensional models of parts using the "Solid Works" software.

     - principles, methods and rules for creating three-dimensional subassemblies using "Solid Works" software.

     - basics of creating, checking, editing nodes, overlaying relationships between assembly elements.be able to:

     - Use the Compass software to create three-dimensional models of parts.

     - use the Compass software to create, check, edit nodes, overlay relationships between assembly elements.

     - use the Compass software to create and edit drawings, apply dimensions, perform sections, sections, local views, adjust drawing tools.

     possess:

     - skills of creating three-dimensional models of parts in the "Solid Works" software.

     - skills of creating assembly units, checking, editing nodes, superimposing relationships between assembly elements in the "Solid Works" software.

3. Competencies

BPK – 8 Apply various methods of graphic constructions on the plane and in space in accordance with the specifics of the specialty

4. Requirements and forms of midcourse evaluation and summative assessment

     The credit is set based on the completion of the assignment issued by the teacher