ENGINEERING GRAPHICS

ANNOTATION

TO THE CURRICULUM OF THE INSTITUTION OF HIGHER EDUCATION

Specialty 1-37 01 06 Technical operation of vehicles (by directions)

	Form of higher education		
	Full-time(daytime)		Correspondence
Course	1		1
Semester	1,2		1,2
Lectures, hours	34		10
Practical exercises, hours	84		16
Laboratory classes, hours			
Classroom examination (semester, hours)			1 (4) , 2 (4)
Coursework, semester			
Course project, semester			
Credit, semester	2		2
Exam, semester	1		1
Classroom hours by discipline	118		34
Independent work, hours	98		182
Total hours per academic discipline / credit units	216/6		216/6

1. Brief content of the discipline: descriptive geometry (projection of a point, line, plane, surface; metric properties of projections; drawing transformation methods; positional tasks); geometric drawing (creating a drawing of a flat contour), projection drawing (building views, cuts on a drawing, applying dimensions) and engineering drawing (executing drawings of typical connections of machine parts; making sketches and working drawings of parts; making assembly drawings of assemblies and drawing up specifications for them) ; creation of a 2-D drawing in the KOMPAS system.
2. As a result of mastering the academic discipline, the student must:
know - elements of descriptive geometry, geometric and projection drawing; features of the execution of drawings of typical connections of machine parts, working drawings and sketches of parts, assembly drawings of units and mechanisms, as well as specifications for them; GOSTs of the ESKD block according to the general rules for the execution and design of drawings; computer graphics software;
be able to carry out drawings of a general machine-building profile and represent, on their basis, technical solutions to engineering problems;
own modern software tools for the preparation of design and technological documentation.
3. Mastering this academic discipline should ensure the formation of the following competencies:

Codes of competencies to be formed	Names of competencies to be formed
BOD-2	Apply various methods of graphic constructions on the plane and in space of car parts and technical equipment for the maintenance and repair of vehicles.

4. Requirements and forms of current and intermediate certification: traditional, with the use of a computer.