

**ENGINEERING GRAPHICS**  
**COURSE SYLLABUS ABSTRACT**

**Speciality** 6-05-0715-07 "Operation of ground transport and technological machines and complexes"

**Concentration** "Technical operation of cars", "Auto repair"

	STUDY MODE	
	Full-time	Part-time
Year	1	1
Semester	1, 2	1, 2
Lectures, hours	34	6
Practical classes, hours	84	12
Exam, semester	1	1
Pass / fail, semester	2	2
Contact hours	118	26
In-class test (semester, hours)	–	1(4), 2 (4)
Independent study, hours	98	190
Total course duration in hours / credit units	216/6	216/6

1. Course outline.

Introduction. Straight. The plane. Drawing conversion methods. Surfaces. Positional tasks. Brief information about computer graphics. Types, sections, sections. Threaded connections. Specification. Splined and keyed connections. Sketching. Detailing. Execution of working drawings. Roughness.

2. Course learning outcomes

Upon completion of the course, students will be expected to

- know: the formation of drawings by the projection method, graphical methods for solving positional problems and metric geometric problems, applied graphic programs and computer modeling, geometric shaping of machine-building parts, state standards for the execution and design of drawings.
- be able : to build projection images, execute and read engineering drawings, use standards and reference books
- to possess a skill: sketching individual technical means and components, visual representation of details and reading drawings, using computer technology to build drawings

3. Competencies

Apply various methods of graphic constructions on the plane and in the space of parts of cars and means of maintenance and repair of motor vehicles

4. Requirements and forms of midcourse evaluation and summative assessment

The intermediate certification includes the protection of individual assignments, in which the student answers control questions. The current certification is carried out in the form of an exam (1 semester) and a differentiated test (2 semester).