INFORMATICS
(course title)
COURSE SYLLABUS ABSTRACT

6-05-0715-07 Operation of land transport and technological machines and complexes
(speciality code and name)
Technical operation of vehicles and Vehicle service
(concentration)

	STUDY MODE	
	full-time	part-time
Year	1	1
Semester	1, 2	1, 2
Lectures, hours	50	12
Laboratory classes, hours	50	12
Pass/fail, semester	1	1
Exam, semester	2	2
In-class test (semester, hours)		1
Contact hours	100	26
Independent study, hours	1116	190
Total course duration in hours / credit units	216/6	

1. Course outline

The purpose of the academic discipline is to teach students modern information technologies and means of transformation, processing, storage and transmission of information, transmission of information.

2. Course learning outcomes

Upon completion of the course, students will be expected to

know: device and technical means of a personal computer; system and application software; basics of modern multimedia and network technologies, their means and possibilities; basics of algorithisation of engineering tasks; not to know the basics of engineering tasks. technologies, their tools and possibilities; basics of algorithmicisation of engineering tasks; at least one programming language and basic techniques of its use; at least one programming language and basic techniques of its use; the following at least one programming language and basic techniques of its use;

be able to: work Microsoft Windows operating system environment; use standard office software packages, including Microsoft Word word processor office software packages, including Microsoft Word word processor, Microsoft Excel spreadsheet processor, to use specialised software packages, including Microsoft Word word processor, Microsoft Excel, Microsoft Word word processor, Microsoft Excel, Microsoft Power Point presentation tools; use packages of special programmes for mathematical purposes; build mathematical models and develop mathematical models. mathematical software packages; build mathematical models and develop algorithms for solving applied problems; realise algorithms in the form of their own programmes; use programming skills in professional activity, programming skills in professional activities.

to possess a skill: methods of algorithmicisation of engineering tasks; practical creation and the practical creation and support of automated workplaces based on personal computers; methods of programme, data and equipment management based on modern operating systems for personal computers. equipment on the basis of modern operating systems for personal computers. computers.

3. Competencies

Solve standard tasks of professional activity on the basis of application of information and communication technologies information and communication technologies

Be capable of self-development and improvement in professional activity.

4. Requirements and forms of midcourse evaluation and summative assessment

In the study of the discipline uses a module-rating system for assessing students' knowledge. Protection of laboratory works, intermediate control of progress, exam, credit.