GEODETIC PRACTICE

ANNOTATION
TO THE CURRICULUM OF A HIGHER EDUCATION INSTITUTION

Specialty 1-70 02 01 Industrial and civil engineering _____

	Form of higher education	
	Full-time (day)	Correspondence
Course	1	2
Term	2	4
Total hours of academic discipline / credits	162/4,5	

1. The purpose of educational geodetic practice is to consolidate the knowledge gained by students in the study of the theoretical course, performing laboratory and computational work, and to acquire stable skills in working with geodetic instruments when solving engineering and geodetic problems.

The objectives of the practice are: drawing up a topographic plan of the construction site based on the survey results; leveling the surface, building a topographic plan and drawing up a cartogram of earthworks; leveling of the road; building a plan and profiles of the route; execution of breaking works.

2. As a result of passing geodetic practice, the student must:

know: - the main issues of the theory and practice of geodetic support for a complex of works in industrial and civil construction; - the methodology of geodetic measurements and processing of their results; - modern achievements of scientific and technological progress in the field of engineering geodesy (electronic tacheometers, satellite technologies, laser and digital devices) ;

be able to: - independently perform measurements using various geodetic instruments (theodolites, levels, measuring and laser tape measures, planimeters, ekers, etc.); - perform mathematical processing of the results of geodetic measurements in an automated way; - draw up topographic plans and profiles, be able to use them in design and construction; - correctly understand and use the results of marking work and executive surveys of roads under construction and completed;

own: - methods of measuring and compiling topographic and executive plans, profiles; - methods of analysis of toiographic and geodetic support; - methods of organizing work on geodetic support of the construction process.

3. As a result of mastering the discipline, the student should have the following competencies: - AK-1 Be able to apply basic scientific and theoretical knowledge to solve theoretical and practical problems; - AK-4 Be able to work independently; - AK-7 Have skills related to the use of technical devices, information management and computer work; - SLK -1 Possess the qualities of citizenship. - SLK-2 Be capable of social interaction; - SLK-3 Possess the ability to interpersonal communications; - SLK-4 Be able to work in a team; – PC-29 Interact with specialists of related professions.

4. Form of the current attestation.

The current certification in practice is a differentiated test. When using a module-rating system for assessing knowledge, the final grade is determined as the sum of the rating control of the internship (up to 60 points), the current certification (up to 40 points) and corresponds to:

Grade	10	9	8	7	6	5	4	3	2	1
Points	100-94	93-87	86-80	79-72	71-65	64-58	57-51	50-41	40-17	16-1