CAD CAE CALCULATION TOOLS

ANNOTATION
TO THE CURRICULUM OF THE INSTITUTION OF HIGHER EDUCATION

Specialty 7-06-0714-02 Innovative technologies in mechanical engineering
Profiling – Computer engineering of transport and technological machines

	Form of higher education	
	Full-time (daytime)	Correspondence
Course	1	1
Semester	1	2
Lectures, hours	34	8
Laboratory classes, hours	16	4
Credit, semester	1	2
Class hours for the academic discipline	50	12
Independent work, hours	58	96
Total hours per academic discipline / credits	108/3	

1. Brief content of the discipline

The content of the discipline is aimed at the formation of specialists who can reasonably and effectively apply existing and master new software products and engineering analysis technologies in the field of ground TTM.

2. Learning outcomes:

– know: the main software products that implement the finite element method; features of the implementation of the finite element method in modern application software;

– be able to: perform engineering analysis of TTM and their elements using modern software;

– have the skill: conducting engineering analysis using the ANSYS Workbench software product.

3. Formed competencies:

SC-1 – Be proficient in working with modern engineering analysis systems

4. Requirements and forms of current and intermediate certification
The form of intermediate attestation is a test