

"Computer Science and Computer Graphics"

(name of the course)

OUTLINE

TO THE CURRICULUM OF THE INSTITUTION OF HIGHER EDUCATION

Specialty 1-36 07 02 "Manufacturing products on the basis of three-dimensional technology" (by branch)

	Form of higher education	
	Full-time (full-time)	Correspondence
Course	1	1
Semester	1	1
Lectures, hours	16	6
Laboratory, hours	50	6
Exam, semester	1	1
Classroom hours in the educational discipline	66	14
Independent work, hours	42	94
Total hours of the discipline / credit units	108/3	108/3

1. Summary of the content of the discipline

Formation of knowledge, skills and abilities of students, working with systems of three-dimensional design of parts and assembly units in the manufacture of products based on three-dimensional technology.

2. Learning objectives

As a result of studying the discipline, the student must

know:

- principles, methods and rules of creating three-dimensional models of parts using SolidWorks software;
- principles, methods and rules of creating three-dimensional assemblies with SolidWorks software
- Basics of creating, checking, editing assemblies, imposing relationships between the elements of the assembly;
- principles, methods and rules of creating drawings using SolidWorks software;

be able to:

- use SolidWorks software to create three-dimensional models of parts;
- use SolidWorks to create, verify, edit assemblies, impose interrelationships between the elements of the assembly;
- use SolidWorks software to create and edit drawings, apply dimensions, make sections, cuts, local views, make adjustments to drawing tools;

know:

- methods of creating drawings;
- methods of creating parts;
- methods of creating assemblies.

3. Competencies to be formed

SK-1 Possess basic knowledge of the capabilities, methods, models and tools of information technology, possess the skills of storage, processing and presentation of information, modeling and computer aided design.

4. Requirements and forms of current and intermediate attestation.

ZLR, TA, PKU, exam.