




Academic discipline

Computer-Aided Technologies

Specialities: 131 Applied Mechanics; 133 Industrial Machinery Engineering; 134 Aerospace Engineering; 141 Power Engineering, Electrical Engineering and Mechanics; 142 Power Engineering; 274 Automobile Transport

Level of Higher Education	<i>first level (short cycle) of Higher Education</i>		
Course Status	<i>student's choice / 7th semester</i>		
Scope of discipline	150 hours / 5 ECTS credits: lectures (32 hours), laboratory work (32 hours), student self-study (86 hours)		
Language	<i>Ukrainian / English</i>		
Annotation	<p>The course will cover the following topics:</p> <p><i>Basic design technologies in CAD SolidWorks</i></p> <ul style="list-style-type: none"> – Theoretical foundations of three-dimensional modeling. – Creation and editing of sketches of a solid model in the SolidWorks graphics editor. – Creation and editing of a solid model in the SolidWorks graphics editor. <p><i>Advanced Design Technologies in SolidWorks CAD</i></p> <ul style="list-style-type: none"> – Reference geometry. – Special modeling methods. – Multibody and derived parts. – Part configuration. – Measuring and editing the model. <p><i>Topics of laboratory classes:</i></p> <ul style="list-style-type: none"> – Revolved elements and extruded elements. – Lofted elements. – Rounding. – Array elements. – 3D sketch. – Multibody parts. – Design tables. – The equation. 		
Prerequisites	–		
Department	Technology of Aircraft Manufacturing (104)		
Faculty	Aircraft Engineering		
Teacher		Name	Oleksiy Pavlenko
		Position	Associate Professor
		Academic title	–
		Scientific degree	Candidate of Technical Sciences
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