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; 272 Aviation Transport; 274 Automobile Transport

Level of Higher Education	*first level (short cycle) of Higher Education*
Course Status	*student's choice / 7th semester*
Scope of discipline	150 hours / 5 ECTS credits: lectures (32 hours), laboratory work (32 hours), student self-study (86 hours)
Language	*Ukrainian / English*
Annotation	The course will cover the following topics: *Basic design technologies in CAD SolidWorks* – 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. *Advanced Design Technologies in SolidWorks CAD* – Reference geometry. – Special modeling methods. – Multibody and derived parts. – Part configuration. – Measuring and editing the model. *Topics of laboratory classes:* – 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	PhD
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