Academic discipline

Welding in Aircraft Manufacturing

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	*first level of Higher Education*
Course Status	*student's choice*
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: Thermal welding methods – Theoretical foundations of welding – Thermal welding methods – Features of the technology of fusion welding of various metals and alloys Thermomechanical welding methods – Mechanical welding methods – Soldering of metals – Quality control of welded joints Topics of laboratory classes: – Manual arc welding on AC machines – Automatic submerged arc welding – Argon-arc welding with infusible electrode – Plasma welding of thin metals – Electrocontact spot welding – Electrocontact seam welding – Electric contact butt welding – Cold welding of plastic metals
Prerequisites	–
Department	Technology of Aircraft Manufacturing (104)
Faculty	Aircraft Engineering

Teacher			
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