

**CURRICULUM
OF THE MASTER PROGRAM OF TECHNOLOGY OF WOOD AND FURNITURE**

Code	No	Courses	Semester	Lectures	Seminars	ECTS
GENERAL COURSES - SEMESTER I						
ABM 217M	1	Entrepreneurship	I	30	30	5
ABM 235M	2	Organization and Planning of WFP	I	45	15	5
ABM 211M	3	Management	I	45	30	6
WWI 104M	4	Methods for Experimental Research and Optimization	I	45	45	7
WWI 105M	5	Quality Management	I	30	30	5
	6	Facultative Discipline Block:				
WWI 305M		1. Intellectual Property Rights Protection	I	30	30	5
ABM 438M		2. Computer systems for Project Management				
	7	Foreign Language: Specializing Course				
ABM 538.1M		1. English Language				
ABM 538.2M		2. German Language	I	30	30	2
ABM 538.3M		3. Russian Language				
SPECIALIZATION COURSES - SEMESTER II						
MODULE I: TECHNOLOGY OF MATERIALS AND WOOD COMPOSITES						
WWI 101M	8	Theoretic Basis of Wood Composites and Ligno Cellulose Materials	II	45	45	7
WWI 102M	9	Technology of Engineered Wood	II	30	30	5
WWI 401M	10	CNC Machines Instruments and Technologies	II	45	45	7
WWI 104M	11	Manufacturing of Wood Packaging and Flooring	II	30	30	5
WWI 105 M	12	Technologic Design of Woodworking Facilities	II	15	45	5
		Course from Optional Block				
WWI 106.3M	13	1. Non-destructive Methods of Wood Testing	II	30	30	5
WWI 507M		Energy Use of Wood				
MODULE II: FURNITURE MANUFACTURING						
WWI 201M	14	Materials and Processes for Glueing and Decorative Finishing	II	45	45	7
WWI 202M	15	Theoretic Basis of Modification and Protection of Wood	II	45	45	7
WWI 203M	16	Methods and Equipment for Protection and Modification of Wood	II	30	30	5
WWI 204M	17	Conservation of Products with Historic and Artistic Value	II	30	30	5
WWI 205M	18	Restauration and Conservation of Wood Furniture	II	30	30	5
		Course from Optional Block				
WWI 202M	19	1. Technology of Decorative Treatment of Furniture	II	30	30	5

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WWI 206.2M		2. Design of Prefabricated Wooden Buildings				
WWI 106.3M		3. Non-destructive Methods of Wood Testing				
MODULE IV: WOODWORKING MACHINES AND EQUIPMENT						
WWI 401M	20	CNC Machines Instruments and Technologies	II	45	45	7
WWI 402M	21	Lazer Application in Woodworking and Furniture Manufacturing	II	30	30	5
WWI 403M	22	Exploitation and Maintenance of Woodworking Machines	II	30	30	5
WWI 404M	23	Design and Testing of Pneumatic Transport Installations and Air Cleaning Devices	II	30	30	5
WWI 405.3M	24	Driving of Woodworking Machines and Devices	II	30	30	5
		Course from Optional Block				
WWI 405.1.M	25	1. Design and Testing of Woodworking Machines	II	30	30	5
WWI 405.2M		2.Press and Finishing Machines				
WWI 405.3M		3.Automatic Systems in Woodworking and Furniture Manufacturing				
3. Pre-Diploma Placement						
4. Development and Defence of Diploma Work						