

Transilvania University of Braşov, Romania

Study program: Wood Processing Engineering

Faculty:	Furniture Design and Wood Engineering
Study period:	4 years (bachelor)
Academic year structure:	2 semesters (14 weeks per semester)
Examination sessions (two):	winter session (January/February) summer session (June/July)

Courses per years (C= course; S = seminar; L = laboratory; P = project)

1st Year

Nr. crt.	Course	Code	1 st Semester					2 nd Semester						
			C	S	L	P	Cred	C	S	L	P	Cred		
01	Mathematical Analysis	AMA	3	3			6							
02	Fundamentals of Wood Production and Environmental Protection 1	BP01	3		2		6							
03	Descriptive Geometry 1	GD01	2		2		5							
04	Informatics Applied	IAP	2		3		6							
05	Chemistry	CHL	2		1		4							
06	Academic writing	SCR	1				1							
07	Linear Algebra, Analytical Geometry and Differential Equations	ALG						2	2					5
08	Physics	FIZ						2		1				4
09	Technical Drawing and Infographics 1	DT01						2		2				5
10	Mechanics	MEC						2	2					5
11	Wood Anatomy	ANL						3		2				6
12	Materials Used in Wood Industry	MAT						1		2				3
13	Physical Training	EF01/EF02		1			1		1					1
14	English language	LE01/LE02	1	1			2	1	1					2
	French language	LF01/LF02												
TOTAL:			14	5	8	0	31	13	6	7	0	0	31	
TOTAL HOURS PER WEEK:			27					26						

2nd Year

Nr. crt.	Course	Code	3 rd Semester					4 th Semester						
			C	S	L	P	Cred	C	S	L	P	Cred		
01	Descriptive Geometry 2	GD02	1		2		4							
02	Technical Drawing and Infographics in Wood Industry 2	DT02	1		2		4							
03	Strength of Materials	RML	2		2		5							
04	Wood Physics and Mechanics	FML	3		2		6							
05	Wood Preservation	PRL	2		2		5							
06	Drives in Wood Industry	ACT	2		2		4							
07	Technical Drawing and Infographics in Wood	DT03						2		2				4

	Industry 3												
08	Wood Structures for Constructions	STR						2		2			4
09	Wood Structures for Furniture	STM						2		2			4
10	Technological Materials in Wood Industry	MTH						2		2			5
11	General Economy	ECG						1					1
12	Fundamentals of Wood Production and Environmental Protection 2	BP02						1		1			2
13	Internship 1	PR01						90 h (3 weeks x 30h/week)				4	
14	Study of Wood Properties	SPL						2		2			4
15	Physical Training	EF03/EF04		1			1		1				1
16	English language	LE01/LE02	1	1			2	1	1				2
	French language	LF01/ LF02											
TOTAL:			12	2	12	0	31	13	2	11	0	31	
TOTAL HOURS PER WEEK:			26					26					

3rd Year

No. crt.	Course	Code	5 th Semester					6 th Semester					
			C	S	L	P	Cred	C	S	L	P	Cred	
01	Thermal Treatments of Wood 1	TT01	2		2		5						
02	Basics of Wood Cutting and Cutting Tools 1	SA01	2		2		5						
03	Machine-Tools and Units in Wood Industry 1	MU01	2		2		5						
04	3D Modelling	MOD	1		2		4						
05	Timber	CHE	2		2		4						
06	Calculus of Wooden Structures for Constructions	CSL	2		2		4						
	Accessories for Furniture	ACC	2		2		4						
07	Work Protection and Protection against Fire	PMF	2		1		3						
	Wood Bending and Moulding	CML											
08	Thermal Treatments of Wood 2	TT02						1		1			2
09	Thermal Treatments of Wood - Project	TTP										2	2
10	Basics of Wood Cutting and Cutting Tools 2	SA02						2	2				4
11	Machine-Tools and Units in Wood Industry 2	MU02						3		2			5
12	Machine-Tools and Units - Project	MUP										2	2
13	Furniture design, manufacture and viability 1	MO01						2	2				5
14	Numerical Control Technique in Wood Industry	TCN						2		1			3
15	Internship 2	PR02						90 h (3weeks x 30h/week)				4	
16	Technological Devices in Wood Industry	DTH						2		2			3
	Wooden furniture for the arrangement of green spaces	ASV											
TOTAL			13	0	13	0	30	12	4	6	4	30	
TOTAL HOURS PER WEEK			26					26					

4th Year

No. crt.	Course	Code	7 th Semester					8 th Semester				
			C	S	L	P	Cred	C	S	L	P	Cred
01	Finished Wood Products 1	PF01	2		1	1	5					
02	Furniture design, manufacture and viability 2	MO02	2		2		4					
03	Furniture design, manufacture and viability 2 - Project	MOP				2	2					
04	Parametric Design in Wood Industry	PRP	1		1	1	4					
05	Wooden Composite Materials 1	CO01	2		1		4					
06	Technological Transport in Wood Industry	TRT	2		2		4					
07	Non-Conventional Technologies	TNE	2		2		4					
08	Finishing Technologies in Wood Industry	FIN	1		1		3					
09	Finished Wooden Products 2	PF02						2		1	2	5
10	Wooden Composite Materials 2	CO02						2		2		3
	Wooden Biomass and Renewable Energy	BLE										
11	Management in Wood Industry	MNG						2		1		2
12	Quality of the Wooden Products and Quality Management	CAL						2		1		2
	Programming, Launching and Supervising Manufacturing in Wood Industry	PLF										
13	Internship 3	PR03						60 h (2weeks x 30h/week)			1	
14	Elaboration of the Diploma Project	EPD						104 h (4weeks x 26h/week)			10	
15	Technology of Upholstered Furniture	TMT						2			2	3
	Hydraulic and Pneumatic Systems	SHP										
16	Computer-Aided Products Design	PTC						1		1	1	2
	Art Furniture Design	PMA										
TOTAL			12	0	10	4	30	13	0	8	5	30
TOTAL HOURS PER WEEK			26					26				