

Transilvania University of Braşov, Romania

Study program: Wood Products Engineering and Design

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	Applied Informatics	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	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 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 3	DT03						2		2			4
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	Study of Wood Properties	SPL						2		2		4
14	Internship 1	PR01						90 h (3 weeks x 30h)				4
15	Physical Training	EF03/EF04		1			1		1			1
16	English language	LE03/LE04	1	1			2	1	1			2
	French language	LF03/LF04										
TOTAL:			12	2	12	0	31	13	2	11	0	31
TOTAL HOURS PER WEEK:			26					26				

3rd Year

Nr. crt.	Course	Code	5 th Semester					6 th Semester				
			C	S	L	P	Cred	C	S	L	P	Cred
01	Thermal Treatments of Wood	TT	2		2		5					
02	Basics of Wood Cutting and Cutting Tools	SA	2		2		5					
03	Wood-Processing Machine-Tools and Units	MU01	2		2		5					
04	Design of Wood Products	DP	1			2	3					
05	Furniture Design 1	PM01	2			2	4					
06	Finishing Technologies in Wood industry	FIN	1		1		2					
07	3D Modelling	MOD	1		2		4					
	Interior Design Modelling	MDA										
08	Ornamental Drawing	DO	1		1		2					
	Accesories and Non-Wooden Materials for Furniture	AMN										
09	Engineered Wood Products 1	SL01						2		1		3
10	Wood-Processing Machine-Tools and Units 2	MU02						2		2		4
11	Furniture Styles and Ornaments 1	SO01						2		2		3
12	Numerical Control Technique in Wood Industry	TCN						2		2		3
13	Furniture Design 2	PM02						2				3
14	Furniture Design 2 - Project	PMP									2	2
15	Furniture Technology 1	TM01						2	1		1	5
16	Technological Devices in Wood industry	DTH						2		1		3
	Wooden furniture for outdoors	MLA										
17	Internship 2	PR02						90 hours (3 weeks x 30h)				4
TOTAL:			12	0	10	4	30	14	1	8	3	30
TOTAL HOURS PER WEEK:			26					26				

4th Year

Nr. crt.	Course	Code	7 th Semester					8 th Semester				
			C	S	L	P	Cred	C	S	L	P	Cred
01	Technology and Design of Wood Products 1	TPF01	2			2	4					
02	Furniture Styles and Ornaments 2	SO02	1		2		3					
03	Furniture Technology 2	TM02	2		1		4					
04	Furniture Technology 2- Project	TMP				2	3					
05	Art Furniture Technology 1	TMA01	2		2		4					
06	Engineered Wood Products 2	SL02	2		1		4					
07	Parametric Design in Wood Industry	PRP	1		2		3					
08	Furniture Restoration	RST	2		2		5					
	Colour and texture in furniture design	CTD										
09	Technology and Design of Wood Products 2	TPF02						2			1	3
10	Automatation and technological transportation in wood industry	AUT						2		2		4
11	Management in Wood Industry	MGM						2	2			4
12	Technology of Upholstered Furniture	TMT						2		2		4
	Wood Bending and Moulding	CML										
13	Art Furniture Technology 2	TMA02						2	1			3
	Techniques and Methods for Quality Evaluation in Wood Industry	CAL										
14	Indoor Architecture	ARH						2			2	4
	Ambient architecture	ARA										
16	Elaboration of Diploma Project	EPD						4 weeks x 26h/w=104h			4	
17	Internship 3	PR03						60 hours (2 weeks x 30h)			4	
TOTAL:			12	0	10	4	30	12	7	4	3	30
TOTAL HOURS PER WEEK:			26					26				