Transilvania University of Braşov, Romania

Study program: Industrial Design (taught in Romanian)

Faculty: Product Design and Environment

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)

1 Year

No.	Course	urse Code 1 st S						2 nd Semester					
crt.		3323	U	S	L	Ρ	Cred	С	S	L	Р	Cred	
01	Mathematical Analysis	DIAM01	2	2			4						
02	Chemistry	DICH01	2		1		3						
03	Technical Drawing and Computer Graphics I	DIDT01	2		3		5						
04	Computer Programming and Programming Languages I	DIPC01	1		2		Э						
05	Descriptive Geometry	DIGD01	2		1		4						
06	Materials Science and Engineering I	DISM01	3		2		5						
07	Industrial Design Fundamentals I	DIDI01	1	1			3						
08	Linear Algebra, Analytical and Differential Geometry	DIAGAD						2	2			4	
09	Communication-Ethics	DIEG02						1	1			2	
10	Technical Drawing and Computer Graphics II	DIDT02						1		2		3	
11	Computer Programming and Programming Languages II	DIPC02						1		2		3	
12	Physics	DIFZ02						2		1		4	
13	Mechanics	DIMC02						m	2			5	
14	Industrial Design Fundamentals II	DIDI02						1	1			2	
15	Artistic Drawing	DIDA02								2		2	
16	Practical work I (30 hours)	DI Pri										2	
17	English or French Language	LE01/LE02 LF01/LF02	1	1			2	1	1			2	
18	Sports	EF01/EF02		1			1		1			1	

2 Year

No.	Caura	Codo		3 rd	Sem	ester	i	4 th Semester					
crt.	Course	Code	С	S	L	Р	Cred	U	S	L	Р	Cred	
01	Special Mathematics	DIMS03	2	1			3						
02	Mechanisms I	DIME03	3		2	1	7						
03	Strength of Materials	DIRM03	3	2	2		7						
04	Electrical machines and actuation	MAE03	2		1		3						
05	Numerical Methods	DIMN03	2		1		4						
06	Design (semiotics)	DIDS03	2		1		4						

07	Conceptual Design I	SPDP04					2			1	3
08	Fluid Mechanics	DIMF04					2		1		3
09	Mechanisms II and Machine Elements I	DIOM04					3		2	1	6
10	Technical Drawing and Computer Graphics III	DIM3D					1		m		3
11	Measurement Techniques and Systems	INGTCD					2		2		3
12	Industrial Management	DIMI04					1	1			3
13	Heat Engineering and Thermal Machines	DITMT					2		1		3
14	Practical work 90 hours	DIPr04									4
15	English or French Language	LE03/LE04 LF03/LF04	1	1		2	1	1			2
16	Sports	EF03/EF04		1		1		1			1

3rdYear

No.	C	Cada	5 th Semester						6 th Semester					
crt.	Course	Code	С	S	L	Р	Cred	С	S	L	Р	Cred		
01	Machine Elements II	DIOM05	2			2	4							
02	Processing Technologies	THPL04	2		1		4							
03	Materials Science and Engineering II	DIMR05	2		1		3							
05	(Recyclable Materials)		2		'		3							
04	Finite Element Analysis	DIMEF5	2		3		5							
05	Mechanism III (Computer Aided Modelling)	MAS05DI	3		2	1	6							
06	General economy	DIDC05	1	1			3							
07	Study of Colour for Design	DICDP6						2		2		4		
08	Actuation, Command and control of	DIACCC						3		3		5		
08	mechanical systems	DIACC6						3		3		כ		
09	Aesthetics and Ergonomics	DIEE06						2			2	4		
10	Form-giving in design I (Mock-up making)	DIMA06						2		2		4		
11	Conceptual Design II	DIDC06						2		2		4		
12	Conceptual Design II - project	DIDCP									2	2		
13	Practical Work 90 hours	DIPr06										4		
14	Product Design for Sustainable Development	DIDD04						2		2		3		
15	Creativity and Innovation in Design	CID07DI	2		2		5							

4thYear

No.	C	Codo	7 th Semester						8 th Semester					
crt.	Course	Code	C	S	L	Р	Cred	C	S	Г	Р	Cred		
01	Computer Aided Shape Modelling in Design	MAF07DI	2		2		4							
02	Embodiment Design	DC07DI	2				3							
03	Embodiment Design - project	DCP07DI				2	3							
04	Design of Mechatronic Products	DIMDP7	2		1	1	4							
05	Product Design for Solar Energy Conversion	CES07DI	2		2		4							
06	Graphic Design	DGDI7	2			1	4							
07	Object Design (10 weeks)	DOB08						2		1		3		
08	Innovation Management in Product Design (10 weeks)	DPRESDI						2			2	4		
09	Virtual Prototyping (10 weeks)	PV08DI						2		1	2	5		
10	Web-design (10 weeks)	CDP08DI						2		1		3		
11	Project Management (10 weeks)	MP08DI						1	1			2		
12	Detail Design (10 weeks)	PRDET08						1			3	3		

13	Diploma Project (14 weeks x 4 hours)	DIPrII						4	4
17.	Practical work for diploma project (4 weeks x	Pr08							
14	24 hours)	Prus							4
15	Form-giving in Design II	CFD07DI	2	2	4				
16	Eco-design and Products Recycling	RP07DI	2	2	4				
17	Package Design (10 weeks)	DA08				1	2		2