

Transilvania University of Braşov, Romania

Study program: Product Design Engineering (in English)

Faculty **Product Design and Environment**
 Study program (Curriculum) **Product Design Engineering (in English)**

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

Year II

No. crt.	Course	Code	Semester III					Semester IV				
			C	S	L	P	Cred	C	S	L	P	Cred
1.	Chemistry	CHIM	2		1		4					
2.	Processing Technologies	IDDMA08	2		3		6					
3.	Strength of Materials I	REZ1	2	2	1		6					
4.	Electrotechnics and Applied Electronics	ELEA	4		3		6					
5.	Technical Drawing and Computer Graphics III	IDMODE	2		2		5					
6.	French Language	LF03	1	1			2					
7.	Strength of Materials II	REZ2						3	1	1		4
8.	Fluid Mechanics	MEFM						2		1		4
9.	Machine Elements I	IDORM1						2		1	1	4
10.	Numerical Methods in Engineering	IDMNI						2		2		4
11.	Tolerances and Dimensional Control	TOCD						1		2		4
12.	Mechanisms	IDMECA						3		1	2	5
13.	Practical work 90 hours	Pr04										3
14.	French Language	LF04						1	1			2

Year III

No. crt.	Course	Code	Semester V					Semester VI				
			C	S	L	P	Cred	C	S	L	P	Cred
1.	Machine Elements II	IDORM2	2	1	1	2	6					
2.	Thermodynamics and Heat Engines	TERM	2		1		4					
3.	Ecological Materials	IDMS05	1		2		4					
4.	Marketing research for product development	IDSPD5	2			2	4					
5.	Product Design Engineering	IDP5	2		2		5					
6.	Fundamentals of Sustainable Development	BDD	2		1		3					
7.	Mechatronic products	IDPM	2		1		4					
8.	Actuation, Command and Control of Mechanical Systems	IDACC6						3		2	2	6
9.	Aesthetics and Ergonomics	IDEE06						2			1	4
10.	Shape Design and Modelling	IDMa06						2		2		4
11.	Conceptual Design	IDDC06						2			2	4
12.	Recycling technologies	TREC						2		2		4
13.	Practical Work 90 hours	IDPr06										3
14.	Management	MNG						1	1			2
15.	Tribology	TRIB						1		2		3

