

No.	Name	Code	ECTS	Hours <sup>ii</sup>					Week	Total hours			Individual study/Tot al hours	Evaluation
				1st semester						Course	Applic	Total		
				C	S	L	P	Research						
<b>Compulsory courses (O)</b>														
1	Experimental Research	UPB.06.M1.O.01	4	2	0	2	0	0	14	28	28	56	44	E
2	Mechanical Behaviour of Engineering Materials	UPB.06.M1.O.02	6	2	0	0	2	0	14	28	28	56	94	E
3	Advanced Production Planning and Scheduling	UPB.06.M1.O.03	7	2	0	2	0	0	14	28	28	56	119	E
4	Experimental Research - Project	UPB.06.M1.O.04	3	0	0	0	2	0	14	0	28	28	47	V
5	Scientific research 1/Practical stage 1	UPB.06.M1.O.05	10					12	14	0	0	0	250	V
<b>Optional courses (A)</b>														
2														
<b>Statistics compulsory hours</b>														
ECTS, No.hours/week/act. (C,S,L,P,PL,individual study)			30	6	0	4	4	12	14	84	112	196	554	E / V
No. hours / week / semester				26										2
<b>Elective courses (L)</b>														
1	Proiectarea și managementul programelor educaționale	UPB.06.M1.L.06	5	2	1	0	0	0	14	28	14	42	83	E
2														

2nd semester

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				1st semester						Course	Applic	Total		
				C	S	L	P	Research						
<b>Compulsory courses (O)</b>														
1	Additive Manufacturing	UPB.06.M2.O.01	4	2	0	2	0	0	14	28	28	56	44	E
2	Mechatronics and Robotics	UPB.06.M2.O.02	6	2	0	2	2	0	14	28	56	84	66	E
3	Industry 4.0	UPB.06.M2.O.03	7	2	0	2	2	0	14	28	56	84	91	E
4	Additive Manufacturing - Project	UPB.06.M2.O.04	3	0	0	0	2	0	14	0	28	28	47	V
5	Scientific research 2/Practical stage 2	UPB.06.M2.O.05	10					12	14	0	0	0	250	V
<b>Optional courses (A)</b>														
1														
<b>Statistics compulsory hours</b>														
ECTS, No.hours/week/act. (C,S,L,P,PL,individual study)			30	6	0	6	6	12	14	84	168	252	498	E / V
No. hours / week / semester				30										3
<b>Elective courses (L)</b>														
1	Psihopedagogia adolescenților,tinerilor și adulților	UPB.06.M2.L.06	5	2	1	0	0	0	14	28	14	42	83	E
2	Consiliere și orientare/ Multimedia în educație (Opțional 1)	UPB.06.M2.L.07	5	1	2	0	0	0	14	14	28	42	83	E

**CURRICULUM 2st year  
1st semester**

No.	Name	Code	ECTS	Hours <sup>II</sup>					Week	Total hours			Individual study/Tot al hours	Evaluation
				1st semester						Course	Applic	Total		
				C	S	L	P	Research						
<b>Compulsory courses (O)</b>														
1	Factory Simulation	UPB.06.M3.O.01	5	2	0	2	0	0	14	28	28	56	69	E
2	Technical Entrepreneurship for SME	UPB.06.M3.O.02	4	2	0	2	0	0	14	28	28	56	44	E
3	Quality Engineering and Management	UPB.06.M3.O.03	4	2	0	0	2	0	14	28	28	56	44	E
4	E-business in industrial engineering	UPB.06.M3.O.04	5	2	0	0	2	0	14	28	28	56	69	E
5	Etică și integritate academică	UPB.06.M3.O.05	2	1	0	0	0	0	14	14	0	14	36	V
6	Scientific research 3/ Practical stage 3	UPB.06.M3.O.06	10					11	14	0	154	154	96	V
7														
<b>Optional courses (A)</b>														
2														
<b>Statistics compulsory hours</b>														
ECTS, No.hours/week/act. (C,S,L,P,PL,individual study)			30	9	0	4	4	11	14	0	0	0	0	E / V
No. hours / week / semester				28										1
<b>Elective courses (L)</b>														
1	Didactica domeniului si dezvoltari in didactica specializarii (invatamant liceal, postliceal)	UPB.06.M3.L.07	5	2	1	0	0	0	14	28	14	42	83	E
2	Sociologia educației/ Educație Interculturală (Opțional 2)	UPB.06.M3.L.08	5	1	2	0	0	0	14	14	28	42	83	E

**2nd semester**

No.	Name	Code	ECTS	Hours <sup>II</sup>					Week	Total hours			Individual study/Tot al hours	Evaluation
				1st semester						Course	Applic	Total		
				C	S	L	P	Research						
<b>Compulsory courses (O)</b>														
30	Scientific research 4/Practical stage 4 (inclusiv definitivare lucrare de disertatie)	UPB.06.M4.O.01	30					28	14	0	392	392	358	V
<b>Optional courses (A)</b>														
1														
<b>Statistics compulsory hours</b>														
ECTS, No.hours/week/act. (C,S,L,P,PL,individual study)			30	0	0	0	0	28	14	0	392	392	358	E / V
No. hours / week / semester				28										1
<b>Elective courses (L)</b>														
1	Practică pedagogică (invatamant liceal, postliceal)	UPB.06.M4.L.02	5	0	0	0	3	0	14	0	42	42	83	V
2	Examen de absolvire, Nivelul II	UPB.06.M4.L.03	5						2					E

Centralised plan	ECTS	Hours <sup>II</sup>					Week	Total hours			Individual study/Tot al hours	Evaluation
		1st semester						Course	Applic	Total		
		C	S	L	P	Research						
<b>Compulsory courses (O)</b>	120	21	0	14	14	63	14	294	392	686	2314	10E/7V
<b>Optional courses (A)</b>	0	0	0	0	0	0	14	0	0	0	0	0
<b>Elective courses (L)</b>	35	8	7	0	3	0	14	112	140	252	623	6E/1V