

No.	Name	Code	ECTS	Hours						Week	Total hours			Individual study/Total 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	Creativity and intellectual property	UPB.06.M1.O.03	7	2	0	2	2	0	14	28	56	84	91	E	
4	Experimental Research - Project	UPB.06.M1.O.04	3	0	0	0	2	0	14	0	28	28	47	P	
5	Scientific research 1/Practical stage 1	UPB.06.M1.O.05	10					12	14	0	0	0	250	P	
<b>Optional courses (A)</b>															
2	Statistics compulsory hours														
ECTS: No.hours/week/act. (C,S,L,P,individual study)															
No. hours / week / semester															
Elective courses (L)															
1	Proiectarea și managementul programelor educaționale		5	2	1	0	0	0	14	28	14	42	83	E	
2															

2nd semester

No.	Name	Code	ECTS	Hours						Week	Total hours			Individual study/Total hours	Evaluation
				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	Advanced Production Planning and Scheduling	UPB.06.M2.O.02	6	2	0	2	0	0	14	28	28	56	94	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.03	3	2	0	2	0	0	14	28	28	56	19	P	
5	Scientific research 2/Practical stage 2	UPB.06.M2.O.05	10					12	14	0	0	0	250	P	
<b>Optional courses (A)</b>															
1															
Statistics compulsory hours															
No. hours / week / semester															
Elective courses (L)															
1	Psihopedagogia adolescentilor,tinerilor si adultilor	UPB.06.M2.L.01-11	5	2	1	0	0	0	14	28	14	42	83	E	
2	Consiliere si orientare/Multimedia in educatie (optional 1)	UPB.06.M2.L.01-12/13	5	1	2	0	0	0	14	14	28	42	83	E	
Evaluation															
ECTS															
Total hours															
Individual study/Total hours															
Evaluation															

**CURRICULUM 2nd year**

	No.	Courses Name	Code	Hours/week					Evaluation
				C	S	L	P	ECTS	
1st semester	<b>Compulsory courses (O)</b>								
	1	Factory Simulation	UPB.06.M3.O.01	2	0	2	0	5	E
	2	Technical Entrepreneurship for SME	UPB.06.M3.O.02	2	0	2	0	5	E
	3	Quality Engineering and Management	UPB.06.M3.O.03	2	0	0	2	5	E
	4	E-business in industrial engineering	UPB.06.M3.O.04	2	0	0	2	5	E
	5	Scientific research 3/Practical stage 3	UPB.06.M3.O.05	12			10	P	
	Total: Compulsory courses (O)				8	0	4	4	30
	<b>Optional courses (A)</b>								
	Total Optional courses (A)				0	0	0	0	0
	<b>Total: Compulsory and optional courses (O+A)</b>				8	0	4	4	30
	<b>Elective courses (L)</b>								
	L2.1	Didactica domeniului si dezvoltari in didactica specializarii (invatamant liceal, postliceal)	UPB.06.M3.L.02-06	2	1	0	0	5	E
L2.2	Educatie Interculturala	UPB.06.M3.L.02-07	1	2	0	0	5	E	
Total: Elective courses (L)				3	3	0	0	10	
<b>TOTAL: HOURS / WEEK</b>				<b>28</b>					
2nd semester	<b>Compulsory courses (O)</b>								
	1	Scientific research 4/Practical stage 4 (inclusiv definitivare lucrare de disertatie)	UPB.06.M4.O.01	28			30	V	
	Total: Compulsory courses (O)				0	0	0	0	30
	<b>Optional courses (A)</b>								
	Total Optional courses (A)				0	0	0	0	0
	<b>Total: Compulsory and optional courses (O+A)</b>				0	0	0	0	30
	<b>TOTAL: HOURS / WEEK</b>				<b>28</b>				
	<b>Elective courses (L)</b>								
	L2.3	Practică pedagogică (invatamant liceal, postliceal)	UPB.06.M4.L.02-02	0	0	0	3	5	V
	L2.4	Examen de absolvire, Nivelul II	UPB.06.M4.L.02-03				5	E	
Total: Elective courses (L)				0	0	0	3	10	

RECTOR,  
Mihnea COSTOIU

Dean,  
Cristian DOICIN

