

**CURRICULUM 1st year**

	No.	Courses		Hours/week					Evaluation	
		Name	Code	C	S	L	P	ECTS		
1st semester	<b>Compulsory courses (O)</b>									
	1	Experimental Research	UPB.06.M1.O.01	2	0	2	0	4	E	
	2	Mechanical Behaviour of Engineering Materials	UPB.06.M1.O.02	2	0	0	2	6	E	
	3	Creativity and intellectual property	UPB.06.M1.O.03	2	0	2	2	7	E	
	4	Experimental Research - Project	UPB.06.M1.O.04	0	0	0	2	3	P	
	5	Scientific research 1/Practical stage 1	UPB.06.M1.O.05	12			10	P		
	<b>Total: Compulsory courses (O)</b>				<b>6</b>	<b>0</b>	<b>4</b>	<b>6</b>	<b>30</b>	
	<b>Optional courses (A)</b>									
	Total Optional courses (A)				0	0	0	0	0	
	<b>Total: Compulsory and optional courses (O+A)</b>				<b>6</b>	<b>0</b>	<b>4</b>	<b>6</b>	<b>30</b>	
	Elective courses (L)									
L1.1	Proiectarea si managementul programelor educationale	UPB.06.M1.L.05-06	2	1	0	0	5	E		
Total: Elective courses (L)				2	1	0	0	5		
<b>T O T A L: H O U R S / W E E K</b>				<b>28</b>						
2nd semester	<b>Compulsory courses (O)</b>									
	1	Additive Manufacturing	UPB.06.M2.O.01	2	0	2	0	4	E	
	2	Advanced Production Planning and Scheduling	UPB.06.M2.O.02	2	0	2	0	6	E	
	3	Industry 4.0	UPB.06.M2.O.03	2	0	2	2	7	E	
	4	Additive Manufacturing - Project	UPB.06.M2.O.04	0	0	0	2	3	P	
	5	Scientific research 2/Practical stage 2	UPB.06.M2.O.05	12			10	P		
	<b>Total: Compulsory courses (O)</b>				<b>6</b>	<b>0</b>	<b>6</b>	<b>4</b>	<b>30</b>	
	<b>Optional courses (A)</b>									
	Total Optional courses (A)				0	0	0	0		
	<b>Total: Compulsory and optional courses (O+A)</b>				<b>6</b>	<b>0</b>	<b>6</b>	<b>4</b>	<b>30</b>	
	<b>T O T A L: H O U R S / W E E K</b>				<b>28</b>					
Elective courses (L)										
L1.2	Psihopedagogia adolescentilor,tinerilor si adultilor	UPB.06.M2.L.05-06	2	1	0	0	5	E		
L1.3	Multimedia in educatie	UPB.06.M2.L.05-07	1	2	0	0	5	E		
Total: Elective courses (L)				3	3	0	0	10		

RECTOR,  
Mihnea COSTOIU

Dean,  
Cristian DOICIN

**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
	Total: Compulsory and optional courses (O+A)				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>T O T A L: H O U R S / W E E K</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
	Total: Compulsory and optional courses (O+A)				0	0	0	0	30
	<b>T O T A L: H O U R S / W E E K</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