

Domain: Chemical Engineering

First year of study

Semester: I

Nr. crt	Subject		h/week				PC	Evaluation	Suppl. activities
	Name	Cod	C	S	L	P			
Compulsory(O)									
1	Smart polymer membranes (CAIM)	UPB.11.1.13.1.01.01	2	0	2	0	4	V	2
2	Computer-aided design of polymers and biopolymers (BSP)	UPB.11.1.13.1.01.02	2	0	0	2	4	E	2
3	Smart inorganic polymers (CAFÉ)	UPB.11.1.13.1.01.03	2	0	1	0	4	V	2
4	Smart adhesives (BSP)	UPB.11.1.13.1.01.04	2	0	2	0	4	E	2
5	Advanced Conductive polymers (BSP)	UPB.11.1.13.1.01.05	1	0	2	0	4	E	2
6	Research practice	UPB.11.1.13.1.01.06	0	0	12	0	10	V	2
TOTAL compulsory subjects (O)			9	0	19	2	30		
Suppl activities									12
TOTAL hours/week						40			

First year of study

Semester: II

Nr. crt	Subject		h/week				PC	Evaluation	Suppl. activities
	Name	Cod	C	S	L	P			
Compulsory subjects(O)									
7	Advanced characterization of polymers and biopolymers (BSP)	UPB.11.1.13.1.02.01	2	0	2	0	4	E	2
8	Top methods for polymer processing (BSP)	UPB.11.1.13.1.02.02	2	0	2	0	4	V	2
9	Chemical modification of polymers and biopolymers for medical and biological applications (BSP)	UPB.11.1.13.1.02.03	2	0	2	0	4	E	2
10	(Bio)polymers based hybrid materials (BSP)	UPB.11.1.13.1.02.04	2	0	2	0	4	E	2
11	Proteins engineering (BSP)	UPB.11.1.13.1.02.05	2	0	2	0	4	E	2
12	Research practice	UPB.11.1.13.1.02.06	0	0	10	0	10	V	2
TOTAL compulsory subjects(O)			10	0	20	0	30		
Suppl activities									12
TOTAL hours/week						40			

Domain: Chemical Engineering

Second year of study

Semester: I

Nr. crt	Subject		h/week				PC	Evaluation	Suppl. activities	
	Name	Cod	C	S	L	P				
Compulsory subjects(O)										
1	Microscopy testing of polymers and biopolymers (BSP)	UPB.11.1.13.I.03.01	2	0	2	0	4	E	2	
2	Oligomers for advanced materials (BSP)	UPB.11.1.13.I.03.02	2	0	1	0	4	E	2	
3	Bioreactors for smart materials (ICB)	UPB.11.1.13.I.03.03	2	0	1	0	4	V	2	
4	Additives for polymer and biopolymers (BSP)	UPB.11.1.13.I.03.04	2	0	2	0	4	E	2	
5	Carbon-based polymeric nanomaterial for bioengineering applications (BSP)	UPB.11.1.13.I.03.05	2	0	2	0	4	E	2	
6	Research practice	UPB.11.1.13.I.03.06	0	0	12	0	10	V	2	
TOTAL compulsory subjects(O)			10	0	20	0	30			
Suppl activities									12	
TOTAL hours/week			40							

Second year of study

Semester: II

Nr. crt	Subject		h/week				PC	Evaluation
	Name	Cod	C	S	L	P		
Compulsory subjects(O)								
7	Research practice	UPB.11.1.13.I.04.01	0	0	20	0	20	V
8	Prepare disertation	UPB.11.1.13.I.04.02			10		10	V
9	Ethics and academic integrity		1	0	0	0	2	V
TOTAL compulsory subjects (O)			1	0	30	0	30	