

SCHEDULE 2023/2024 -autumn
(Polymer Processing BMEGEPTBGE3)
Lecture (T200) & laboratory (MT laboratory): Monday 10-12

Week	Hours		Room	Lecture/Laboratory practice	Date
	Lec	Lab			
1	2	-	T building T200	Introduction. Classification of polymer processing technologies. Basic rheological aspects of polymers. Polymers' way to products. Preliminary techniques of polymer processing (material conveying, drying, mixing, dosing, etc.). Calendering.	04/09/2023
2	2	-	T building T200	Extrusion machineries, single and twin-screw extruders. Extrusion.	11/09/2023
3	2	-	T building T200	Compounding with extruder. Extrusion dies	18/09/2023
4	-	2	MT laboratory	Laboratory practice: Group A: Compounding with twin-screw extrusion. Group B: Extrusion film blowing.	25/09/2023
5	-	2	MT laboratory	Laboratory practice: Group A: Extrusion film blowing. Group B: Compounding with twin-screw extrusion	02/10/2023
6	2	-	T building T200	Thermoforming. Hollow plastic parts I. (Extrusion blow molding).	09/10/2023
7	-	2	MT laboratory	Laboratory practice: Group A: Extrusion blow molding. Group B: Thermoforming	16/10/2023
8	2	-	T building T200	No lecture	23/10/2023
9	-	2	MT laboratory	Laboratory practice: Group A: Thermoforming. Group B: Extrusion blow molding.	30/10/2023
10	2	-	T building T200	Elastomer technologies. Raw materials. Formulation, mixing, shaping and vulcanization. Foam technology: thermoplastic and thermoset foams	06/11/2023
11	-	2	MT laboratory	Laboratory practice: Group A: Rubber mixing and vulcanization. Group B: Foaming.	13/11/2023
12	-	2	MT laboratory	Laboratory practice: Group A: Foaming. Group B: Rubber mixing and vulcanization	20/11/2023
13	2	-	T building T200	Mid-semester check	27/11/2023
14	2	-	T building T200	Retake of mid semester check	04/12/2023