

SCHEDULE 2024/2025 -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.) and calendering.	02/09/2024
2	2	-	T building T200	Extrusion technology, machineries, single and twin-screw extruders.	09/09/2024
3	2	-	T building T200	Compounding with extruder. Extrusion dies	16/09/2024
4	-	2	MT laboratory	Laboratory practice: Group A: Compounding with twin-screw extrusion. Group B: Extrusion film blowing.	23/09/2024
5	-	2	MT laboratory	Laboratory practice: Group A: Extrusion film blowing. Group B: Compounding with twin-screw extrusion	30/09/2024
6	2	-	T building T200	Hollow plastic parts I. (Extrusion blow molding). Thermoforming.	07/10/2024
7	2	-	T building T200	Hollow plastic parts II. (Injection blow molding, rotational molding, twin-sheet thermoforming). Joining technologies: welding and adhesive bonding.	14/10/2024
8	-	2	MT laboratory	Laboratory practice: Group A: Extrusion blow molding. Group B: Thermoforming	21/10/2024
9	-	2	MT laboratory	Laboratory practice: Group A: Thermoforming. Group B: Extrusion blow molding.	28/10/2024
10	2	-	T building T200	Elastomer technologies. Raw materials. Formulation, mixing, shaping and vulcanization. Foam technology: thermoplastic and thermoset foams	04/11/2024
11	-	2	MT laboratory	Laboratory practice: Group A: Rubber mixing and vulcanization. Group B: Foaming.	11/11/2024
12	-	2	MT laboratory	Laboratory practice: Group A: Foaming. Group B: Rubber mixing and vulcanization	18/11/2024
13	2	-	T building T200	Mid-semester check	25/11/2024
14	2	-	T building T200	Retake of mid semester check	02/12/2024