

TIME SCHEDULE
(Injection Molding; BMEGEPTAGE2)

Week	Contact hours		Lecture T200		Laboratory practice MT building – laboratory		
			(odd) Monday	08.15-10.00	(even) Monday	L1 08.15-10.00	L2 10.15-12.00
	Lecture	Lab.					
1	2	-	Subject requirements. General info.	September 02.	-		
2	-	2	-		Basics of the injection molding machines and auxiliary equipments. Injection molds.	September 09.	September 09.
3	2	-	Introduction to injection molding and materials for injection molding.	September 16.	-		
4	-	2	-		Setting up of the Injection molding process. Programming the mold movements.	September 23.	September 23.
5	2	-	A typical sequence of Injection molding cycle.	September 30.	-		
6	-	2	-		Setting up of the Injection molding process. Programming the filling stage.	October 07.	October 07.
7	2	-	Fiber reinforced materials. Machine Constructions. (Vertical and horizontal machines, clamping units, injection units etc.) Plastic part design. Design for injection molding.	October 14.	-		
8	-	2			Setting up of the Injection molding process. Programming the holding and cooling phase.	October 21.	October 21.
9	2	-	mid-semester check (classroom test - 1) homework release	October 28.	-		
10	-	2	-		Injection molding defects and cycle opt. Sensors in molds.	November 04.	November 04.
11	2	-	Injection mold design (2 and 3 plate molds, cold and hot runner molds, runners system design etc.). Injection molding simulations.	November 11.	-		
12	-	2	-		Mold change and practice with a different mold.	November 18.	November 18.
13	2	-	mid-semester check (classroom test - 2) homework submission deadline	November 25.	-		
14	-	2	correction mid-semester check (repetition for classroom test – 1 and 2)	December 02.	-		